

# **MORPHOMETRIC MEASUREMENTS OF PACIFIC SCOMBRIDS**

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**UNITED STATES DEPARTMENT OF THE INTERIOR  
FISH AND WILDLIFE SERVICE**

## Explanatory Note

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United States Department of the Interior, Douglas McKay, Secretary  
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MORPHOMETRIC MEASUREMENTS OF PACIFIC SCOMBRIDS

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## MORPHOMETRIC MEASUREMENTS OF PACIFIC SCOMBRIDS

Racial studies of Pacific tunas and related species by means of morphometric measurements have been conducted by the Pacific Oceanic Fishery Investigations (POFI) since its inception in 1948. Numerous data on yellowfin tuna, bigeye tuna, albacore, and skipjack have been collected and racial studies are in progress. In addition, measurements of other species have been made from time to time but not in sufficient quantities for racial studies. There is a need to publish the detailed measurements as part of the studies in progress and a need to make available to other workers the detailed measurements which probably will not be used by POFI for some time to come. This paper is intended to fill these two needs.

Accordingly, there are presented here the detailed measurements of 10 groups of tunas. Using the nomenclature adopted by Rosa (1950)<sup>1/</sup> they are as follows:

- Yellowfin tuna, Neothunnus macropterus (Temminck and Schlegel) 1842.  
Bigeye tuna, Parathunnus sibi (Temminck and Schlegel) 1844.  
Albacore, Germo alalunga (Bonnaterre) 1758.  
Skipjack, Katsuwonus pelamis (Linnaeus) 1758.  
Bluefin tuna Thunnus thynnus (Linnaeus) 1758,  
Thunnus orientalis (Temminck and Schlegel) 1842,  
Thunnus maccoyii (Castlenau) 1872.  
Australian northern bluefin tuna, Ashincella tonggol (Bleeker) 1852.  
Little tunny, Euthynnus affinis (Gantor) 1850.  
Dogtooth tuna, Gymnosarda nuda (Günther) 1860.  
Double-lined mackerel, Grammatocygnus bicarinatus (Quoy and Gaimard) 1825.  
Frigate mackerel, Auxis thazard (Lacepede) 1802.

The tables (listed on page 6) include only measurements that have not been published previously. Additional comparable measurements of Pacific tunas will be found in other publications, e.g., Godsil (1948), Schaefer (1948), Schaefer and Walford (1950), Godsil and Greenwood (1951), and Schaefer (1952).

The data have been classified in rather arbitrary geographic units (fig. 1). The Pacific Ocean has been divided into north and south parts separated by an equatorial zone between 10° N. and 10° S. latitudes. Minor deviations from this zone were made in the western Marshall Islands area, which was extended north to 12° N. latitude to include specimens collected near Bikini, and for certain specimens from the Marquesas which were measured in a frozen condition and hence not included with specimens collected near the Equator and measured while fresh. Meridional lines at 129° W. longitude and 179° W. longitude separate eastern, central, and western areas. Several of the meridional lines dividing the equatorial area have been located on the 9-degree longitude lines in order to place in the same area all the specimens from certain cruises along the 10-degree lines.

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<sup>1/</sup> Except Grammatocygnus which Rosa does not include

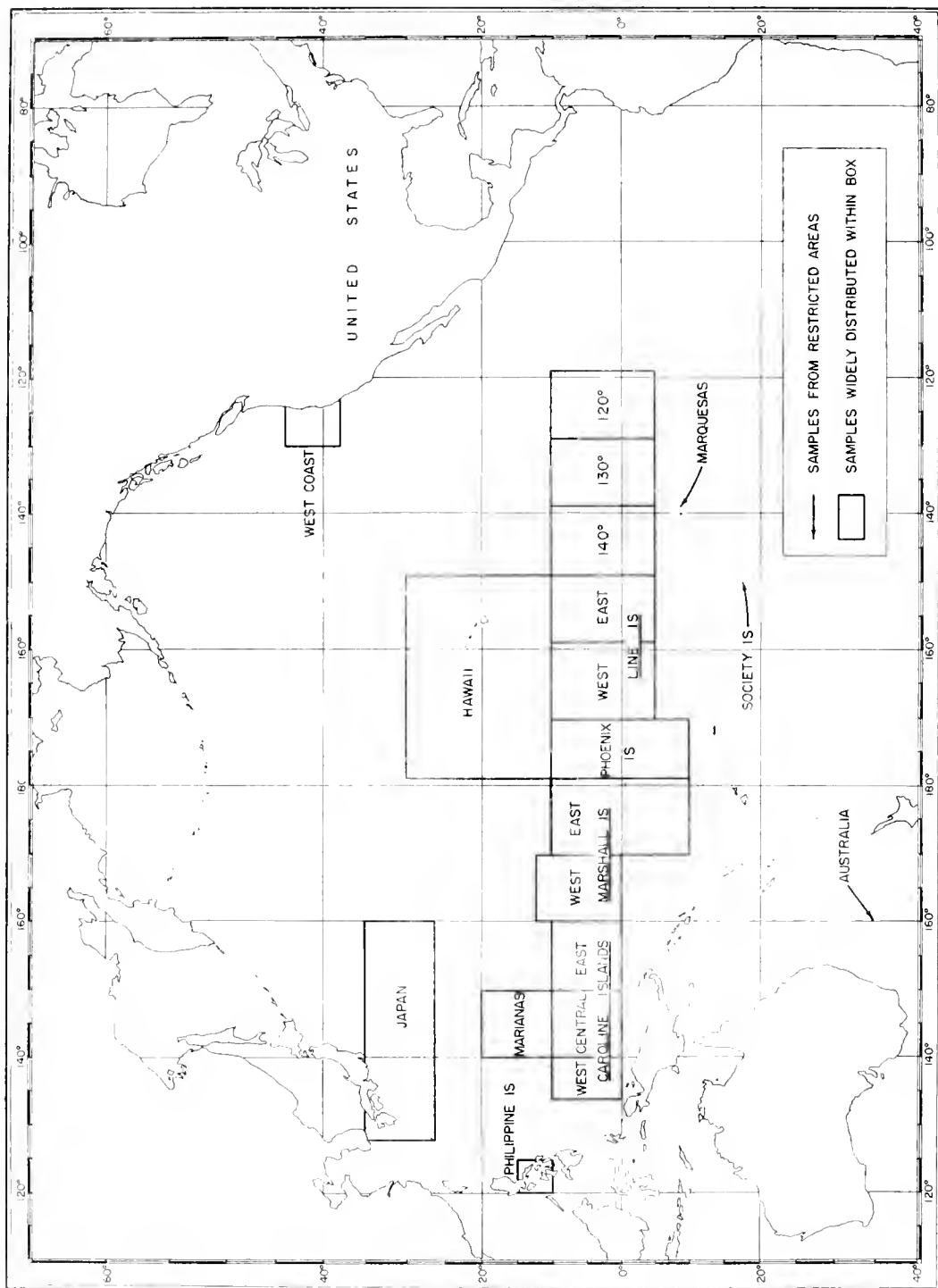


FIGURE 1 LOCATIONS OF ORIGIN OF TUNA MORPHOMETRIC SAMPLES

The collection of these measurements was begun by Dr. M. B. Schaefer, Dr. O. R. Smith, and H. H. Eckles, who were assigned as scientific observers on board the Oregon and Alaska. These motor vessels of the Pacific Exploration Company, under contract with the Reconstruction Finance Corporation, prospected for tunas during 1943 in the waters of the Hawaiian Islands, the Line Islands, and the Trust Territory. Since 1949, when POFI was established in Honolulu, its observers have obtained measurements from the commercial catch landed at Honolulu, from the catches of research vessels of POFI, from the catches of Japanese mothership expeditions, and from landings in Japan. Other persons who have helped include members of the Division of Fish and Game of the Territory of Hawaii, J. C. Marr of the South Pacific Investigations of the Fish and Wildlife Service, Dr. K. Kuromura of the Japanese Fisheries Agency, and Dr. D. V. Villadolid of the Philippine Bureau of Fisheries. Their permission to include the data here is gratefully acknowledged.

We also appreciate the efforts of the many individuals who have helped collect these data. Those directly responsible for the measurements are listed below. Following each name are the initials used for identification in the ensuing tables.

|  |                            |
|--|----------------------------|
| Donald H. Bates (DNB)                                | Sueno Murai (SM)           |
| William I. Cabaniss (WIC)                            | Garrh I. Murphy (GIM)      |
| Donald K. F. Ching (DC)                              | Edwin L. Niska (ELN)       |
| Frederick C. Cleaver (FCC)                           | Tamio Otsu (TO)            |
| Townsend Cromwell (TC)                               | John E. Rawlings (JER)     |
| H. H. Eckles (HHE)                                   | John W. Reintjes (JWR)     |
| Kenji Ego (KE)                                       | Thomas J. Roseberry (TJR)  |
| Horace B. Elfred (HBE)                               | William F. Royce (WFR)     |
| Thomas S. Hida (TSH)                                 | Milner B. Schaefer (MBS)   |
| Isaac I. Ikehara (III)                               | Bell M. Shimada (BMS)      |
| Frederick C. June (FCJ)                              | Richard Snomura (RS)       |
| Joseph E. King (JEK)                                 | Osgood R. Smith (ORS)      |
| John C. Marr (JCM)                                   | Edward D. Stroup (EDS)     |
| Walter M. Matsumoto (WMM)                            | Wilvan G. Van Campen (WVC) |
| Donald L. McKernan (DLM)                             | Daniel T. Yamashita (DTY)  |
| G. W. Mead (GWM)                                     | Kalfred L. K. Yee (KY)     |
| Harvey L. Moore (HLM)                                | Heeny S. H. Yuen (HY)      |
| Territory of Hawaii, Division of Fish and Game (TFG) |                            |
| Philippine Bureau of Fisheries (PBF)                 |                            |
| Japanese Fisheries Agency (JFA)                      |                            |

Grateful acknowledgments are also extended to the officers and crew members of the research vessels of the Pacific Oceanic Fishery Investigations, who usually assisted in the handling of the often large and weighty specimens.

All measurements of length were recorded in millimeters; measurements of weight were recorded in pounds. The measuring techniques described by Marr and Schaefer (1949) were used by POFI observers and others who are listed by name in the preceding table. The observers for other government agencies listed are not known to us and their techniques may have differed slightly.

The different gear used to catch tuna may yield quite different size groups of tuna and it seems desirable to classify the morphometric data accordingly. The abbreviations used in the tables are as follows:

|               |    |
|---------------|----|
| Gill net      | Gn |
| Longline      | Ll |
| Pole and line | Pl |
| Purse seine   | Ps |
| Troll         | Tr |

The characters usually presented in the tables are those which Schaefer concluded were most useful for differentiating the stocks of tuna. Earlier papers by Schaefer (1948) and Schaefer and Walford (1950) included some characters that were difficult to measure accurately and consistently by different examiners under adverse field conditions and others that we do not consider useful for comparative purposes. With the elimination of some characters, there is the addition of a new measurement, the distance from the insertion of ventrals to the anterior edge of the vent.

The Department of Defense has approved for publication the data collected in Bikini, Western Marshalls by Mr. J. C. Marr. In addition to the characters used in this publication, he measured other characters: pectoral insertion to insertion 1st dorsal, length base 1st dorsal, length longest dorsal finlet, length longest dorsal spine, spread caudal, greatest width caudal peduncle at keels, least depth caudal peduncle, length maxillary, number of gill rakers and number of finlets. These data will be included in publications by Mr. Marr.

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| Eastern Equatorial Pacific; 120°W. long. .... | 47                             | 1                | 10          |
| Central Equatorial Pacific:                   |                                |                  |             |
| 130°W. long. ....                             | 47                             | 2                | 11          |
| 140°W. long. ....                             | 113                            | 3                | 13          |
| Line Islands:                                 |                                |                  |             |
| Eastern .....                                 | 197                            | 4                | 16          |
| Western .....                                 | 190                            | 5                | 23          |
| Phoenix Islands .....                         | 141                            | 6                | 30          |
| Western Equatorial Pacific:                   |                                |                  |             |
| Marshall Islands:                             |                                |                  |             |
| Eastern .....                                 | 40                             | 7                | 34          |
| Western .....                                 | 65                             | 8                | 37          |
| Caroline Islands:                             |                                |                  |             |
| Eastern .....                                 | 171                            | 9                | 38          |
| Central .....                                 | 211                            | 10               | 44          |
| Western .....                                 | 17                             | 11               | 51          |
| North Central Pacific; Hawaiian Islands ..... | 43                             | 12               | 51          |
| Northwestern Pacific:                         |                                |                  |             |
| Japan .....                                   | 46                             | 13               | 53          |
| Philippine Islands:                           |                                |                  |             |
| Southwestern Panay Island .....               | 356                            | 14               | 55          |
| Batangas Province, Luzon .....                | 116                            | 15               | 60          |
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| Central Equatorial Pacific:                   |                                |                  |             |
| 130°W. long. ....                             | 17                             | 21               | 66          |
| 140°W. long. ....                             | 30                             | 22               | 67          |
| Line Islands:                                 |                                |                  |             |
| Eastern .....                                 | 116                            | 23               | 68          |
| Western .....                                 | 9                              | 24               | 72          |
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| Eastern .....                                 | 4                      | 26        | 73   |
| Western .....                                 | 145                    | 27        | 75   |
| Caroline Islands:                             |                        |           |      |
| Eastern .....                                 | 199                    | 28        | 78   |
| Central .....                                 | 109                    | 29        | 84   |
| Western .....                                 | 34                     | 30        | 88   |
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|   |     |    |     |
|---|-----|----|-----|
| Eastern Equatorial Pacific: 120°W. long. .... | 1   | 33 | 99  |
| Central Equatorial Pacific:                   |     |    |     |
| 140°W. long. ....                             | 1   | 34 | 99  |
| Eastern Line Islands .....                    | 12  | 35 | 99  |
| Phoenix Islands .....                         | 20  | 36 | 100 |
| Western Equatorial Pacific:                   |     |    |     |
| Marshall Islands:                             |     |    |     |
| Eastern .....                                 | 39  | 37 | 100 |
| Western .....                                 | 13  | 38 | 102 |
| Caroline Islands:                             |     |    |     |
| Eastern .....                                 | 100 | 39 | 102 |
| Central .....                                 | 22  | 40 | 106 |
| Western .....                                 | 5   | 41 | 107 |
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|   |    |    |     |
|---|----|----|-----|
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| Caroline Islands:                             |    |    |     |
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| Eastern Equatorial Pacific: 120°W. long. .... | 3                              | 56               | 115         |
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| 130°W. long. ....                             | 11                             | 57               | 113         |
| 140°W. long. ....                             | 26                             | 58               | 115         |
| Line Islands:                                 |                                |                  |             |
| Eastern .....                                 | 76                             | 59               | 116         |
| Western .....                                 | 17                             | 60               | 119         |
| Phoenix Islands .....                         | 26                             | 61               | 120         |
| Western Equatorial Pacific:                   |                                |                  |             |
| Marshall Islands:                             |                                |                  |             |
| Eastern .....                                 | 2                              | 62               | 120         |
| Western .....                                 | 73                             | 63               | 121         |
| Caroline Islands:                             |                                |                  |             |
| Eastern .....                                 | 29                             | 64               | 123         |
| Central .....                                 | 13                             | 65               | 124         |
| Western .....                                 | 7                              | 66               | 125         |
| Northeastern Pacific: U.S. Coast .....        | 10                             | 67               | 125         |
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| Western Caroline Islands .....                     | 4                              | 82               | 154         |
| Northeastern Pacific: U.S. Coast .....             | 2                              | 83               | 154         |
| North Central Pacific: Hawaiian Islands .....      | 76                             | 84               | 154         |
| Northwestern Pacific:                              |                                |                  |             |
| Marianas .....                                     | 1                              | 85               | 157         |
| Japan .....  | 13                             | 86               | 157         |
| Philippine Islands:                                |                                |                  |             |
| Southwestern Panay Island .....                    | 59                             | 87               | 158         |
| Northeastern Panay Island .....                    | 30                             | 88               | 159         |
| Batangas Province, Luzon .....                     | 215                            | 89               | 159         |
| Ragay Gulf, Bical Peninsula, Luzon .....           | 35                             | 90               | 162         |
| Southeastern Luzon .....                           | 67                             | 91               | 163         |
| South Sulu Sea .....                               | 21                             | 92               | 164         |
| <u>Dog-toothed tuna</u>                            |                                |                  |             |
| Western Equatorial Pacific:                        |                                |                  |             |
| Western Marshall Islands .....                     | 64                             | 93               | 165         |
| Eastern Caroline Islands .....                     | 1                              | 94               | 167         |
| Northwestern Pacific:                              |                                |                  |             |
| Japan .....  | 2                              | 95               | 167         |
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Table 1. Yellowfin from the Eastern Equatorial Pacific  
120° West Longitude

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Edge Vent | Greatest Body<br>Depth | Length Pe. loral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|-----------------------------------|------------------------|------------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 1226         |        | 311         | 346                         | 621                         | 675                   | 341                      | 343                               | 282                    | 321              | 260               | 304         | 35            | 10/23           | f   | 11/52          | L1   | GIM      |
| 1269         |        | 324         | 357                         |                             | 727                   | 370                      | 367                               | 293                    | 330              | 212               | 247         | 36            | 11/20           | f   | 11/52          | L1   | GIM      |
| 1284         |        | 337         | 365                         | 656                         | 731                   | 369                      | 375                               | 320                    | 317              | 258               | 282         | 36            | 11/21           | m   | 5/52           | L1   | III      |
| 1327         | 97     | 339         | 374                         | 675                         | 742                   | 372                      | 373                               | 329                    | 337              | 207               | 214         | 38            | 10/22           | f   | 10/52          | L1   | TJR      |
| 1330         |        | 346         | 371                         | 676                         | 750                   | 382                      | 380                               | 355                    | 341              | 323               | 364         | 41            | 10/21           | m   | 5/52           | L1   | III      |
| 1347         |        | 346         | 382                         | 676                         | 751                   | 379                      | 389                               | 332                    | 347              | 319               | 368         | 58            | 11/22           | f   | 5/52           | L1   | WVC      |
| 1356         | 112    | 368         | 400                         | 702                         | 776                   | 395                      | 391                               | 351                    | 330              | 298               | 371         | 42            | 8/22            | f   | 10/52          | L1   | GIM      |
| 1361         | 103    | 351         |                             | 697                         | 779                   | 381                      | 403                               | 327                    | 345              | 320               | 338         | 40            | 9/21            | m   | 10/52          | L1   | TJR      |
| 1367         | 102    | 338         | 369                         | 687                         | 756                   | 372                      | 400                               | 344                    | 384              | 366               | 433         | 39            | 9/21            | f   | 10/52          | L1   | GIM      |
| 1383         | 117    | 351         | 394                         | 705                         | 777                   | 387                      | 396                               | 350                    |                  | 352               | 427         | 41            | 10/22           | m   | 11/52          | L1   | TJR      |
| 1388         | 104    | 348         | 382                         | 699                         | 766                   | 383                      | 388                               | 333                    | 345              | 304               | 330         | 41            | 10/21           | f   | 10/52          | L1   | GIM      |
| 1390         |        | 345         | 382                         | 697                         | 775                   | 400                      | 381                               | 337                    | 375              | 376               | 446         | 44            | 9/20            | f   | 11/52          | L1   |          |
| 1398         |        | 365         | 411                         | 722                         | 795                   | 402                      | 422                               | 378                    | 348              | 326               | 367         | 40            | 9/21            | m   | 6/52           | L1   | WVC      |
| 1410         |        | 358         | 388                         | 715                         | 786                   | 396                      | 403                               | 361                    | 372              | 276               |             | 40            | 10/22           | m   | 6/52           | L1   | III      |
| 1416         | 97     | 350         | 390                         | 720                         | 781                   | 382                      | 402                               | 387                    | 362              | 427               | 466         | 41            | 10/21           | m   | 11/52          | L1   | GIM      |
| 1418         | 112    | 353         | 393                         | 709                         | 780                   | 391                      | 399                               | 353                    | 399              | 432               | 347         | 41            | 10/20           | m   | 10/52          | L1   | TJR      |
| 1422         |        | 360         | 386                         | 714                         | 785                   | 398                      | 399                               | 371                    | 349              | 388               | 419         | 39            | 10/21           | m   | 5/52           | L1   | WVC      |
| 1431         |        | 370         | 398                         | 727                         | 804                   | 411                      | 412                               | 389                    | 346              | 367               | 430         | 40            | 8/22            | m   | 6/52           | L1   | WVC      |
| 1435         | 122    | 357         | 388                         | 711                         | 782                   | 390                      | 403                               | 350                    | 372              | 408               | 430         | 43            | 11/22           | m   | 11/52          | L1   | TJR      |
| 1439         |        | 360         | 397                         | 722                         | 799                   | 389                      | 423                               | 371                    | 352              | 319               | 332         | 40            | 9/22            | m   | 5/52           | L1   | III      |
| 1450         | 123    | 361         | 403                         | 730                         | 809                   | 439                      | 396                               | 360                    | 359              | 356               | 391         | 40            | 9/22            | m   | 10/52          | L1   |          |
| 1455         |        | 361         | 398                         | 727                         | 804                   | 399                      | 415                               | 376                    | 347              | 357               | 406         | 39            | 10/21           | f   | 5/52           | L1   | WVC      |
| 1456         | 129    | 360         | 405                         | 726                         | 800                   | 401                      | 420                               | 375                    | 377              | 403               | 405         | 40            | 9/22            | m   | 10/52          |      | GIM      |
| 1460         |        | 366         | 393                         |                             | 798                   | 402                      | 408                               | 373                    | 386              |                   | 541         | 42            | 10/22           | f   | 5/52           | L1   | III      |
| 1463         | 125    | 353         | 392                         | 717                         | 791                   | 400                      | 409                               | 357                    | 388              | 398               | 501         | 41            | 9/21            | m   | 11/52          | L1   | GIM      |
| 1468         | 137    | 367         | 406                         | 741                         | 818                   | 395                      | 439                               | 377                    | 372              | 481               | 504         |               | 10/21           | f   | 10/52          | L1   | TJR      |
| 1470         |        | 372         | 397                         | 740                         | 809                   | 406                      | 418                               | 373                    | 356              | 401               | 430         | 40            | 10/20           | f   | 6/52           | L1   | WVC      |
| 1477         |        | 374         | 411                         | 748                         | 831                   | 415                      | 418                               | 368                    | 339              | 372               | 407         | 40            | 10/20           | f   | 5/52           | L1   | III      |
| 1491         | 139    | 384         | 419                         | 747                         | 835                   | 431                      | 413                               | 360                    | 366              | 396               | 426         | 43            | 9/22            | f   | 10/52          | L1   |          |
| 1523         | 158    | 377         |                             | 800                         | 850                   | 413                      | 457                               | 387                    | 362              | 459               | 487         | 42            | 10/22           | f   | 10/52          | L1   | GIM      |

Table 1. Yellowfin from the Eastern Equatorial Pacific:  
120° West Longitude (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventrals to<br>Ant. Edge Vent | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|------------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 1529         | 143    | 371         | 411                         | 761                         | 840                   | 422                      | 420                                | 351                    | 372             | 410               | 428         | 41            | 10/21           | f   | 6/52           | L1   | III      |
| 1533         |        | 402         | 442                         | 777                         | 850                   | 455                      | 414                                | 388                    | 380             | 528               | 585         | 45            | 10/21           | f   | 11/52          | L1   | GIM      |
| 1537         |        | 372         | 430                         | 779                         | 851                   | 422                      | 440                                | 377                    | 386             | 382               | 376         | 39            | 9/21            | m   | 10/52          | L1   | GIM      |
| 1539         |        | 389         | 426                         | 774                         | 847                   | 424                      | 446                                | 384                    | 347             | 490               | 544         | 43            | 10/20           | f   | 6/52           | L1   | III      |
| 1546         |        | 383         | 433                         | 776                         | 863                   | 422                      | 453                                | 384                    | 357             | 555               | 470         | 43            | 9/21            | f   | 6/52           | L1   | WVC      |
| 1551         | 177    | 385         | 431                         | 783                         | 843                   | 436                      | 421                                | 367                    | 403             | 561               | 572         | 49            |                 | m   |                | L1   | GIM      |
| 1567         |        | 399         | 436                         | 782                         | 879                   | 437                      | 453                                | 388                    | 394             | 466               | 505         | 43            | 11/21           | f   | 6/52           | L1   | III      |
| 1572         |        | 408         | 400                         | 801                         | 883                   | 449                      | 445                                | 405                    | 372             | 298               | 365         | 41            | 10/20           | m   | 10/52          | L1   | TJR      |
| 1574         |        | 394         | 433                         | 797                         | 862                   | 435                      | 445                                | 419                    | 411             | 644               | 718         | 49            | 10/21           | f   | 11/52          | L1   | TJR      |
| 1575         |        | 390         | 430                         | 771                         | 850                   | 443                      | 420                                | 377                    | 406             | 424               | 532         | 41            | 10/22           | m   | 10/52          | L1   | TJR      |
| 1587         | 148    | 399         | 428                         | 796                         | 889                   | 411                      | 447                                | 360                    | 346             | 440               | 515         | 45            | 8/21            | f   | 10/52          | L1   | GIM      |
| 1588         | 168    | 392         | 432                         | 788                         | 864                   | 442                      | 431                                | 402                    | 383             | 550               | 537         | 43            | 9/20            | m   | 11/52          | L1   | TJR      |
| 1599         |        | 415         | 439                         | 823                         | 901                   | 466                      | 449                                | 427                    | 372             | 528               | 503         | 44            | 10/22           | m   | 6/52           | L1   | III      |
| 1611         | 171    | 402         | 441                         | 792                         | 867                   | 447                      | 447                                | 403                    | 386             | 645               | 678         | 45            | 11/21           | m   | 11/52          | L1   | GIM      |
| 1622         |        | 403         | 433                         | 806                         | 898                   | 446                      | 469                                | 412                    | 384             | 764               | 673         | 45            | 10/21           | m   | 11/52          | L1   | TJR      |
| 1642         |        | 411         | 450                         | 821                         | 888                   | 464                      | 451                                | 409                    | 390             | 564               | 622         | 41            | 10/21           | m   | 11/52          | L1   | GIM      |
| 1677         |        | 424         | 453                         | 825                         | 917                   | 483                      | 451                                | 424                    | 394             | 446               | 601         | 45            | 10/22           | m   | 11/52          | L1   | GIM      |

Table 2. Yellowfin from Central Equatorial Pacific:  
130° West Longitude

|      |     |     |     |     |     |     |     |     |     |     |     |    |       |   |       |    |     |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-------|---|-------|----|-----|
| 618  | 11  | 182 | 191 | 339 | 378 | 201 | 178 | 167 | 182 | 70  | 72  | 28 | 9/20  | m | 10/52 | Tr | TJR |
| 776  | 20  | 218 | 245 | 425 | 462 | 241 | 225 | 203 | 210 | 92  | 91  | 33 | 9/21  | m | 10/52 | Tr | TSH |
| 943  |     | 257 | 288 | 510 | 567 | 286 | 286 | 248 | 246 | 138 | 143 | 35 | 10/22 | f | 6/52  | L1 | III |
| 1245 | 76  | 306 | 335 | 620 | 691 | 350 | 345 | 283 | 332 | 244 | 275 | 37 | 9/22  | f | 11/52 | L1 | TSH |
| 1268 | 79  | 321 | 361 | 648 | 706 | 363 | 352 | 312 | 325 | 273 | 363 | 39 | 10/21 | m | 11/52 | L1 | TSH |
| 1275 | 86  | 321 | 362 | 641 | 714 | 357 | 362 | 304 | 348 | 530 | 373 | 40 | 8/20  | m | 11/52 | L1 | GIM |
| 1290 |     | 338 | 374 | 668 | 742 | 378 | 382 | 320 | 338 | 275 | 325 | 38 | 9/21  | f | 6/52  | L1 | WVC |
| 1291 |     | 331 | 368 | 658 | 719 | 360 | 368 | 323 | 351 | 324 | 363 | 39 | 10/20 | f | 6/52  | L1 | WVC |
| 1317 | 94  | 239 | 366 |     |     | 357 | 367 | 306 | 356 | 313 | 358 | 38 | 10/22 | f | 11/52 | L1 | TSH |
| 1354 |     | 334 | 374 | 695 | 757 | 373 | 396 | 325 | 335 | 339 | 362 | 36 | 12/21 | f | 6/52  | L1 | III |
| 1363 | 104 | 344 | 380 | 697 | 777 | 402 | 386 | 338 | 369 | 353 | 395 | 38 | 10/21 | m | 11/52 | L1 | GIM |
| 1375 | 105 | 339 | 364 | 673 | 751 | 373 | 387 | 323 | 354 | 363 | 440 | 40 | 8/22  | f | 11/52 | L1 | TSH |
| 1386 | 109 | 357 | 382 | 700 | 776 | 393 | 388 | 342 | 358 | 292 | 331 | 38 | 9/21  | m | 11/52 | L1 | GIM |
| 1394 |     | 362 | 396 | 714 | 780 | 398 | 390 | 365 | 358 | 422 | 502 | 43 | 11/21 | f | 6/52  | L2 | III |
| 1403 |     | 354 | 384 | 707 | 780 | 395 | 390 | 360 | 336 | 348 | 386 | 39 | 10/20 | m | 6/52  | L2 | III |

Table 2. Yellowfin from the Eastern Equatorial Pacific  
130° West Longitude (Continued)

| Total Length | Weight | Head Length | Snout to 1st Dorsal | Snout to 2nd Dorsal | Snout to Anal | Snout to Ventral | 1st Ventral to Anal Edge Ventrals | Greatest Body Depth | Length Posterior | Height Anal | Height Anal | Diameter Eye | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|--------|-------------|---------------------|---------------------|---------------|------------------|-----------------------------------|---------------------|------------------|-------------|-------------|--------------|-----------------|-----|----------------|------|----------|
| 1421         | 105    | 345         | 387                 | 710                 | 770           | 386              | 389                               | 313                 | 376              | 298         | 464         | 40           | 8/21            | m   | 11/52          | L1   | TSH      |
| 1422         |        | 352         | 398                 | 716                 | 794           | 391              | 412                               | 350                 | 346              | 319         | 381         | 38           | 10/21           | f   | 6/52           | L1   | III      |
| 1438         |        | 357         | 397                 | 728                 | 796           | 394              | 410                               | 357                 | 367              | 341         | 375         | 39           | 11/21           | m   | 6/52           | L1   | III      |
| 1443         |        | 366         | 395                 | 727                 | 796           | 399              | 406                               | 368                 | 386              | 430         | 473         | 41           | 10/21           | m   | 6/52           | L1   | III      |
| 1448         |        | 366         | 397                 | 725                 | 806           | 408              | 411                               | 367                 | 334              | 332         | 347         | 39           | 9/22            | m   | 6/52           | L1   | WVC      |
| 1453         | 123    | 373         | 408                 | 732                 | 820           | 413              | 420                               | 368                 | 353              | 375         | 460         | 40           | 11/22           | m   | 6/52           | L1   | WVC      |
| 1456         |        | 357         | 392                 | 721                 | 796           | 402              | 407                               | 337                 | 385              | 425         | 459         | 40           | 9/21            | m   | 6/52           | L1   | III      |
| 1461         |        | 364         | 396                 | 736                 | 816           | 399              | 430                               | 381                 | 353              | 524         | 606         | 42           | 10/20           | f   | 6/52           | L1   | III      |
| 1491         |        | 380         | 417                 | 759                 | 828           | 412              | 421                               | 354                 | 375              | 484         | 612         | 47           | 10/20           | f   | 11/52          | L1   | TSH      |
| 1497         |        | 382         | 416                 | 770                 | 831           | 427              | 407                               | 364                 | 358              | 437         | 509         | 42           | 11/22           | f   | 11/52          | L1   | GIM      |
| 1498         | 140    | 375         | 413                 | 756                 | 831           | 409              | 431                               | 392                 | 374              | 642         | 712         | 46           | 9/21            | f   | 6/52           | L1   | III      |
| 1514         |        | 378         | 420                 | 755                 | 829           | 423              | 423                               | 388                 | 375              | 409         | 484         | 42           | 10/22           | m   | 6/52           | L1   | WVC      |
| 1523         |        | 388         | 420                 | 766                 | 853           | 439              | 431                               | 392                 | 356              |             | 419         | 42           | 11/21           | m   | 6/52           | L1   | III      |
| 1526         |        | 379         | 417                 | 767                 | 841           | 427              | 423                               | 386                 | 370              | 530         | 577         | 44           | 9/21            | f   | 6/52           | L1   | WVC      |
| 1533         |        | 383         | 425                 | 770                 | 854           | 434              | 430                               | 384                 | 399              | 549         | 381         | 44           | 10/20           | f   | 6/52           | L1   | III      |
| 1535         | 162    | 384         | 420                 | 774                 | 855           | 439              | 425                               | 396                 | 361              | 320         | 257         | 43           | 12/21           | m   | 6/52           | L1   | III      |
| 1562         |        | 402         | 443                 | 782                 | 872           | 439              | 439                               | 408                 | 394              | 468         | 499         | 44           | 11/22           | m   | 6/52           | L1   | III      |
| 1563         |        | 381         | 421                 | 772                 | 856           | 419              | 449                               | 399                 | 359              | 543         | 499         | 47           | 9/20            | f   | 6/52           | L1   | WVC      |
| 1578         |        | 393         | 440                 | 793                 | 884           | 434              | 460                               | 393                 | 384              | 580         | 610         | 42           | 10/21           | m   | 11/52          | L1   | GIM      |
| 1579         |        | 394         | 449                 | 788                 | 878           | 448              | 443                               | 396                 | 387              | 354         |             | 40           | 9/20            | m   | 11/52          | L1   | TSH      |
| 1599         | 158    | 395         | 439                 | 791                 | 863           | 441              | 446                               | 405                 | 377              | 463         | 492         | 42           | 10/22           | m   | 6/52           | L1   | WVC      |
| 1606         |        | 398         | 435                 | 799                 | 881           | 445              | 445                               | 419                 | 400              | 504         | 622         | 47           | 7/20            | m   | 6/52           | L1   | III      |
| 1617         |        | 407         | 455                 | 802                 | 881           | 445              | 450                               | 428                 | 384              | 499         | 564         | 45           | 11/21           | m   | 6/52           | L1   | III      |
| 1622         |        | 414         | 435                 | 812                 | 907           | 455              | 462                               | 430                 | 394              | 455         | 540         | 47           | 10/20           | m   | 6/52           | L1   | III      |
| 1645         |        | 430         | 464                 | 847                 | 929           | 465              | 490                               | 435                 | 415              | 456         | 624         | 46           | 9/21            | m   | 11/52          | L1   | GIM      |
| 1647         | 188    | 403         | 445                 | 831                 | 918           | 451              | 477                               | 425                 | 415              | 580         | 573         |              | 10/21           | m   | 11/52          | L1   | TJR      |
| 1652         | 181    | 411         | 455                 | 847                 | 915           | 450              | 499                               | 420                 | 365              | 401         | 444         | 43           | 9/22            | m   | 11/52          | L1   | TSH      |
| 1657         | 174    | 413         | 454                 | 829                 | 912           | 462              | 469                               | 407                 | 379              | 430         | 501         | 47           | 8/20            | m   | 11/52          | L1   | TSH      |
| 1657         | 178    | 412         | 450                 | 838                 | 915           | 447              | 479                               | 412                 | 389              | 466         | 505         | 42           | 9/21            | m   | 11/52          | L1   | TSH      |
| 1658         |        | 425         | 464                 | 834                 | 917           | 473              | 461                               | 429                 | 374              | 540         | 494         | 42           | 10/22           | m   | 6/52           | L1   | WVC      |
| 1697         | 192    | 416         | 447                 | 827                 | 927           | 468              | 471                               | 404                 | 397              | 544         | 544         | 46           | 8/21            | m   | 11/52          | L1   | TSH      |
| 1697         | 195    | 419         | 465                 | 847                 | 942           | 461              | 497                               | 416                 | 377              | 572         | 625         | 44           | 9/22            | m   | 11/52          | L1   | GIM      |

Table 3. Yellowfin from the Central Equatorial Pacific:  
140° West Longitude

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventrals to<br>Ant. Edge Vent | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|------------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 1210         | 74     | 319         | 342                         | 618                         | 688                   | 356                      | 340                                | 297                    | 331             | 266               | 292         | 31            | 9/20            | f   | 8/52           | L1   | WMM      |
| 1211         |        |             |                             | 611                         | 684                   | 348                      | 341                                | 296                    | 349             | 249               | 294         | 42            |                 | f   | 8/52           | L1   | WFR      |
| 1262         |        | 320         | 349                         | 637                         | 705                   | 353                      | 362                                | 314                    | 352             | 294               | 358         | 37            | 10/21           | f   | 9/52           | L1   | WMM      |
| 1269         |        | 335         | 357                         | 653                         | 738                   | 366                      | 386                                | 324                    | 342             | 233               | 297         | 37            |                 | m   | 9/52           | L1   | RS       |
| 1325         |        | 329         | 361                         | 669                         | 733                   | 366                      | 377                                | 326                    | 348             | 260               | 315         | 34            |                 | f   | 9/52           | L1   | RS       |
| 1326         |        | 343         | 373                         | 661                         | 745                   | 379                      | 379                                | 330                    | 367             | 334               | 399         | 39            | 10/20           | f   | 9/52           | L1   | DLM      |
| 1335         |        | 335         | 359                         | 666                         | 736                   | 374                      | 370                                | 341                    | 378             | 397               | 406         | 41            | 9/20            | m   | 8/52           | L1   | DLM      |
| 1336         |        | 343         | 378                         | 695                         | 764                   | 389                      | 383                                | 343                    | 371             | 346               | 398         | 40            | 9/21            | f   | 8/52           |      | DLM      |
| 1336         |        | 348         | 379                         | 681                         | 756                   | 385                      | 372                                | 336                    | 350             | 294               | 333         | 33            | 7/20            | m   | 6/52           | L1   | WMM      |
| 1339         |        | 338         | 371                         | 671                         | 726                   | 372                      | 354                                | 336                    | 354             | 351               | 355         | 41            | 10/20           | m   | 6/52           | L1   | WMM      |
| 1341         | 100    | 342         | 361                         | 666                         | 735                   | 378                      | 364                                | 335                    | 343             | 372               | 402         | 39            | 9/21            | m   | 6/52           | L1   | WMM      |
| 1346         |        | 339         | 352                         | 662                         | 759                   | 402                      | 371                                | 322                    | 366             | 359               | 403         | 40            | 10/20           | f   | 6/52           | L1   | WMM      |
| 1349         |        | 345         | 364                         | 675                         | 748                   | 382                      | 372                                | 331                    | 351             | 319               | 351         | 39            | 10/21           | m   | 6/52           | L1   | WMM      |
| 1350         |        | 340         | 368                         | 673                         | 740                   | 373                      | 374                                | 335                    | 374             | 393               | 475         | 40            |                 | f   | 8/52           | L1   | RS       |
| 1360         |        | 338         | 368                         | 672                         | 752                   | 386                      | 366                                | 332                    | 374             | 406               | 343         | 41            | 10/21           | m   | 9/52           | L1   | DLM      |
| 1362         | 99     | 337         | 369                         | 673                         | 749                   | 373                      | 382                                | 336                    | 359             | 367               | 440         | 40            | 10/19           | f   | 9/52           | L1   | WMM      |
| 1366         |        | 352         | 385                         | 700                         | 769                   | 384                      | 389                                | 347                    | 354             | 335               | 380         | 38            | 9/21            | m   | 8/52           | L1   | DLM      |
| 1366         |        |             |                             | 699                         | 752                   | 373                      | 383                                | 337                    | 345             | 290               | 450         | 43            |                 | f   | 9/52           |      | WFR      |
| 1368         |        | 342         | 380                         | 692                         | 771                   | 387                      | 393                                | 345                    | 363             |                   | 465         | 40            | 9/20            | f   | 8/52           | L1   | DLM      |
| 1371         |        | 350         | 383                         | 690                         | 771                   | 384                      | 399                                | 344                    | 360             | 446               | 473         | 39            | 10/21           | m   | 9/52           | L1   | WMM      |
| 1372         |        | 346         | 379                         | 710                         | 766                   | 385                      | 394                                | 356                    | 365             | 305               | 416         | 40            | 9/20            | m   | 9/52           | L1   | WMM      |
| 1372         |        | 350         | 392                         | 695                         | 767                   | 391                      | 388                                | 355                    | 375             | 381               | 434         | 40            | 8/20            | m   | 9/52           | L1   | WMM      |
| 1380         |        | 350         | 372                         | 682                         | 758                   | 389                      | 378                                | 336                    | 364             | 365               | 400         | 41            | 10/21           | m   | 6/52           | L1   | WMM      |
| 1381         |        | 346         | 373                         | 703                         | 771                   | 383                      | 403                                | 351                    | 369             | 388               | 461         | 39            | 8/21            | m   | 9/52           | L1   | WMM      |
| 1383         |        | 349         | 368                         | 692                         | 765                   | 385                      | 382                                | 338                    | 360             | 372               | 420         |               | 10/22           | f   | 9/52           | L1   | DLM      |
| 1384         | 111    | 348         | 375                         | 686                         | 770                   | 383                      | 393                                | 338                    | 347             | 291               | 313         | 38            | 9/20            | m   | 6/52           | L1   | WMM      |
| 1392         |        | 349         | 374                         | 696                         | 771                   | 385                      | 396                                | 351                    | 363             | 461               | 523         | 43            | 10/21           | f   | 9/52           | L1   | WMM      |
| 1397         |        |             |                             | 699                         | 760                   | 376                      | 379                                | 331                    | 368             | 375               | 393         | 42            |                 | f   | 9/52           | L1   | WFR      |
| 1398         |        | 342         | 385                         | 697                         | 780                   | 395                      | 396                                | 363                    | 378             | 372               | 399         | 39            | 9/20            | m   | 9/52           | L1   | DLM      |
| 1401         |        | 352         | 390                         | 707                         | 791                   | 388                      | 403                                | 383                    | 335             | 352               | 399         | 37            | 9/21            | f   | 6/52           | T    | ELN      |

Table 3. Yellowfin from the Central Equatorial Pacific,  
140° West Longitude (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventrals | Ins. Ventrals to<br>Ant. Edge Vent | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Loc | Exemplar |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|---------------------------|------------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|-----|----------|
| 1406         |        | 253         | 385                         | 671                         | 772                   | 392                       | 399                                | 359                    | 383             | 439               | 453         | 41            | 10/21           | f   | 8/52           | L1  | DLM      |
| 1412         |        | 352         | 388                         | 703                         | 775                   | 385                       | 398                                | 346                    | 360             | 355               | 407         | 40            | 7/20            | m   | 8/52           | L1  | DLM      |
| 1416         |        | 344         | 379                         | 701                         | 785                   | 378                       | 417                                | 339                    | 369             | 428               | 481         | 40            | 10/21           | m   | 9/52           | L1  | WMM      |
| 1418         |        | 368         | 387                         | 730                         | 814                   | 419                       | 402                                | 363                    | 367             | 380               | 443         | 42            | 9/20            | f   | 8/52           | L1  | DLM      |
| 1421         |        | 363         | 402                         | 727                         | 792                   | 398                       | 398                                | 361                    | 364             | 332               | 407         | 39            | 10/20           | f   | 8/52           | L1  | DLM      |
| 1422         |        | 345         | 390                         | 714                         | 788                   | 381                       | 415                                | 347                    | 379             | 367               | 437         | 38            | 10/22           | m   | 9/52           | L1  | DLM      |
| 1423         |        | 369         | 395                         | 728                         | 815                   | 405                       | 428                                | 375                    | 342             | 300               | 359         | 40            | 10/22           | m   | 8/52           | L1  | WMM      |
| 1427         |        | 355         | 398                         | 718                         | 787                   | 394                       | 398                                | 353                    | 378             | 355               | 387         | 40            | 10/20           | m   | 9/52           | L1  | WMM      |
| 1428         |        | 360         | 400                         | 719                         | 803                   | 396                       | 419                                | 364                    | 380             | 362               | 402         | 40            | 10/22           | m   | 9/52           | L1  | DLM      |
| 1435         |        | 360         | 390                         | 728                         | 811                   | 410                       | 406                                | 336                    | 344             |                   | 529         | 43            | 10/21           | f   | 6/52           | L1  | JEK      |
| 1439         |        | 355         | 395                         | 722                         | 801                   | 397                       | 414                                | 361                    | 400             | 485               | 542         | 41            | 10/20           | f   | 9/52           | L1  | DLM      |
| 1442         |        | 361         | 398                         | 721                         | 798                   | 404                       | 400                                | 363                    | 383             | 430               | 483         | 40            | 10/21           | m   | 9/52           | L1  | DLM      |
| 1442         |        | 364         | 412                         | 731                         | 801                   | 410                       | 405                                | 374                    | 379             | 405               | 554         | 41            | 10/20           | m   | 9/52           | L1  | DLM      |
| 1442         |        | 373         | 403                         | 724                         | 809                   | 410                       | 412                                | 370                    | 358             | 373               | 322         | 40            | 10/17           | m   | 8/52           | L1  | DLM      |
| 1442         |        | 375         | 389                         | 749                         | 825                   | 412                       | 423                                | 370                    | 357             | 368               | 424         | 41            | 10/21           | m   | 6/52           | L1  | WMM      |
| 1444         |        | 362         | 393                         | 724                         | 796                   | 400                       | 403                                | 357                    | 375             | 333               | 246         | 43            | 9/20            | m   | 8/52           | L1  | DLM      |
| 1448         |        | 351         | 383                         | 724                         | 799                   | 389                       | 405                                | 351                    | 388             | 398               | 453         | 39            | 10/21           | f   | 9/52           | L1  | WMM      |
| 1449         |        | 363         | 391                         | 722                         | 785                   | 398                       | 399                                | 381                    | 355             | 398               | 460         | 41            | 9/22            | m   | 8/52           | L1  | DLM      |
| 1456         |        | 365         | 401                         | 744                         | 816                   | 404                       | 414                                | 354                    | 361             | 349               | 397         | 39            | 11/21           | f   | 9/52           | L1  | WMM      |
| 1456         |        | 366         | 404                         | 734                         | 809                   | 400                       | 420                                | 379                    | 375             | 442               | 493         | 40            | 9/21            | m   | 9/52           | L1  | WMM      |
| 1462         |        | 375         | 406                         | 743                         | 814                   | 411                       | 430                                | 378                    | 372             | 458               |             | 41            | 11/21           | m   | 9/52           | L1  | DLM      |
| 1462         |        | 377         | 408                         | 737                         | 821                   | 420                       | 407                                | 378                    | 370             | 487               | 435         | 42            | 10/21           | m   | 6/52           | L1  | WMM      |
| 1470         |        | 365         | 398                         | 739                         | 815                   | 407                       | 420                                | 367                    | 376             | 399               | 430         | 40            | 9/22            | m   | 8/52           | L1  | DLM      |
| 1478         |        | 364         | 385                         | 726                         | 800                   | 422                       | 385                                | 348                    | 361             | 394               | 466         | 41            | 11/21           | m   | 6/52           | L1  | WMM      |
| 1480         |        | 367         | 417                         | 756                         | 821                   | 411                       | 422                                | 384                    | 391             | 566               | 594         | 44            | 10/20           | f   | 8/52           | L1  | DLM      |
| 1481         | 131    |             |                             | 732                         | 805                   | 411                       | 404                                | 355                    | 358             | 361               | 381         | 46            |                 | m   | 9/52           | L1  | WFR      |
| 1493         |        | 375         | 412                         | 748                         | 830                   | 419                       | 421                                | 382                    | 352             | 377               | 477         | 44            | 10/20           | m   | 6/52           | L1  | WMM      |
| 1499         |        | 373         | 409                         | 753                         | 824                   | 401                       |                                    | 387                    | 366             | 552               | 616         | 42            | 9/19            | m   | 6/52           | L1  | WMM      |
| 1502         |        | 376         | 415                         | 757                         | 825                   | 433                       | 400                                | 383                    | 360             | 369               | 470         | 42            | 9/21            | m   | 6/52           | L1  | WMM      |
| 1503         |        | 374         | 414                         | 761                         | 838                   | 423                       | 426                                | 378                    | 368             | 415               | 476         | 40            | 10/21           | m   | 9/52           | L1  | WMM      |

Table 3. Yellowfin from the Central Equatorial Pacific:  
140° West Longitude (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Pre. Ventrals to<br>Anal Base Ventrals | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|--|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 1503         | 136    | 379         | 428                         | 748                         | 836                   | 421                      | 428                                    | 379                    | 393             | 424               | 449         | 41            | 9/19            | m   | 9/52           | L1   | DLM      |
| 1504         |        |             |                             | 750                         | 823                   | 411                      | 422                                    | 360                    | 355             | 506               | 593         | 50            |                 | f   | 9/52           | L1   | WFR      |
| 1509         |        | 391         | 422                         | 765                         | 856                   | 427                      | 442                                    | 385                    | 371             | 370               | 463         | 44            | 11/20           | m   | 9/52           | L1   | WMM      |
| 1514         | 141    | 374         | 409                         | 749                         | 828                   | 414                      | 421                                    | 383                    | 368             | 485               | 546         | 42            | 8/23            | f   | 8/52           | L1   | DLM      |
| 1517         |        |             |                             | 766                         | 825                   | 410                      | 414                                    | 374                    | 350             | 458               | 351         | 44            |                 | m   | 9/52           | L1   | WFR      |
| 1522         |        | 389         | 441                         | 783                         | 868                   | 423                      | 451                                    | 390                    | 366             | 474               | 527         | 41            | 11/22           | f   | 9/52           | L1   | WMM      |
| 1524         |        | 380         | 423                         | 766                         | 838                   | 420                      | 426                                    | 400                    | 395             | 498               | 546         | 41            | 10/22           | m   | 9/52           | L1   | WMM      |
| 1524         |        | 386         | 415                         | 761                         | 852                   | 425                      | 441                                    | 396                    | 378             |                   | 507         | 41            | 10/22           | m   | 8/52           | L1   | DLM      |
| 1531         |        | 380         | 412                         | 764                         | 837                   | 424                      | 423                                    | 387                    | 369             | 549               | 638         | 43            | 8/20            | m   | 9/52           | L1   | WMM      |
| 1533         |        | 378         | 424                         | 774                         | 858                   | 426                      | 448                                    | 396                    | 382             | 561               | 656         | 44            | 9/20            | f   | 8/52           | L1   | WMM      |
| 1537         |        | 384         | 422                         | 762                         | 838                   | 424                      | 425                                    | 404                    | 389             | 548               | 617         | 43            | 10/20           | m   | 8/52           | L1   | DLM      |
| 1540         |        | 377         | 414                         | 777                         | 860                   | 417                      | 459                                    | 397                    | 373             | 589               | 614         | 41            | 9/20            | m   | 9/52           | L1   | DLM      |
| 1541         |        | 381         | 430                         | 771                         | 845                   | 418                      | 445                                    | 405                    | 383             | 589               | 593         | 44            | 8/20            | m   | 6/52           | L1   | WMM      |
| 1550         |        | 387         | 410                         | 771                         | 852                   | 435                      | 422                                    | 393                    | 360             | 572               | 605         | 43            | 10/21           | m   | 6/52           | L1   | JEK      |
| 1558         |        | 389         | 427                         | 780                         | 858                   | 430                      | 449                                    | 399                    | 385             | 594               | 687         | 45            | 10/21           | m   | 9/52           | L1   | DLM      |
| 1562         |        | 392         | 426                         | 779                         | 865                   | 424                      | 447                                    | 410                    | 389             | 601               | 685         | 45            | 10/21           | m   | 8/52           | L1   | DLM      |
| 1566         | 175    | 389         | 423                         | 775                         | 862                   | 431                      | 444                                    | 382                    | 395             | 461               | 398         | 42            | 10/21           | m   | 8/52           | L1   | DLM      |
| 1568         |        | 395         | 431                         | 792                         | 879                   | 427                      | 453                                    | 393                    | 396             | 477               | 510         | 42            | 10/22           | m   | 9/52           | L1   | WMM      |
| 1570         |        |             |                             | 806                         | 873                   | 431                      | 455                                    | 414                    | 381             | 618               | 705         | 51            |                 | m   | 9/52           | L1   | WFR      |
| 1572         |        | 376         | 421                         | 778                         | 863                   | 419                      | 457                                    | 497                    | 400             | 623               | 665         | 43            | 10/21           |     | 8/52           | L1   | WMM      |
| 1572         |        | 391         | 424                         | 783                         | 869                   | 429                      | 449                                    | 411                    | 363             | 615               | 732         | 43            | 9/20            | m   | 9/52           | L1   | WMM      |
| 1574         | 165    | 397         | 441                         | 792                         | 869                   | 439                      | 445                                    | 433                    | 399             | 573               | 571         | 48            | 10/22           | m   | 8/52           | L1   | WMM      |
| 1576         |        | 395         | 414                         | 787                         | 870                   | 441                      | 433                                    | 393                    | 398             | 579               | 637         | 44            |                 | m   | 9/52           | L1   | RS       |
| 1577         |        | 405         | 444                         | 792                         | 879                   | 446                      | 442                                    | 417                    | 386             | 456               | 505         | 44            | 10/21           | m   | 9/52           | L1   | DLM      |
| 1578         | 175    |             |                             | 808                         | 882                   | 440                      | 453                                    | 415                    | 400             | 489               | 510         | 50            |                 | m   | 9/52           | L1   | WFR      |
| 1579         |        | 403         | 442                         | 789                         | 872                   | 447                      | 442                                    | 410                    | 416             | 565               | 624         | 45            | 10/20           | m   | 9/52           |      | DLM      |
| 1580         |        | 408         | 439                         | 812                         | 876                   | 451                      | 428                                    | 417                    | 369             |                   | 560         | 45            | 9/21            | m   | 8/52           | L1   | DLM      |
| 1584         |        | 410         | 449                         | 801                         | 877                   | 440                      | 450                                    | 439                    | 382             | 692               | 769         |               | 10/19           | m   | 8/52           | L1   | DLM      |
| 1593         |        |             | 440                         | 800                         | 894                   | 439                      | 470                                    | 449                    | 389             | 556               | 617         | 42            | 9/21            | m   | 8/52           | L1   | WMM      |
| 1597         |        | 406         | 434                         | 795                         | 887                   | 450                      | 445                                    | 415                    | 388             | 564               | 610         | 46            | 9/20            | m   | 9/52           | L1   | DLM      |

Table 3. Yellowfin from the Central Equatorial Pacific:  
140° West Longitude (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventrals to<br>Ant. Edge Vent. | Greatest Body<br>Depth | Length Pettoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|-------------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 1598         |        | 396         | 423                         | 789                         | 872                   | 441                      | 438                                 | 404                    | 379             | 539               | 668         | 44            | 9/18            | m   | 8/52           | L1   | DLM      |
| 1600         |        | 410         | 431                         | 803                         | 896                   | 463                      | 441                                 | 405                    | 386             | 468               | 515         | 44            | 10/20           | m   | 6/52           | L1   | WMM      |
| 1602         |        | 393         | 439                         | 807                         | 876                   | 441                      | 454                                 |                        | 375             | 524               | 554         | 43            | 9/20            | m   | 8/52           | L1   | DLM      |
| 1605         |        | 407         | 445                         | 792                         | 880                   | 452                      | 445                                 | 430                    | 372             | 544               | 597         | 44            | 10/21           | m   | 9/52           | L1   | WMM      |
| 1607         |        | 402         | 433                         | 803                         | 880                   | 444                      | 450                                 | 410                    | 412             | 542               | 605         | 43            | 10/23           | m   | 9/52           | L1   | WMM      |
| 1610         |        | 422         | 438                         | 804                         | 913                   | 482                      | 448                                 | 413                    | 384             | 474               |             | 45            | 11/21           | m   | 6/52           | L1   | WMM      |
| 1615         |        | 408         | 437                         | 802                         | 883                   | 446                      | 430                                 | 379                    | 366             | 680               | 701         | 46            | 9/20            | m   | 6/52           | L1   | JEK      |
| 1616         |        | 407         | 427                         | 801                         | 899                   | 444                      | 470                                 | 418                    | 383             | 610               | 698         | 46            | 9/20            | m   | 8/52           | L1   | WMM      |
| 1616         |        | 411         | 448                         | 816                         | 894                   | 445                      | 456                                 | 436                    | 372             | 509               | 572         | 47            | 9/22            | m   | 8/52           | L1   | WMM      |
| 1619         |        | 406         |                             | 818                         | 902                   | 450                      | 455                                 | 434                    | 364             | 383               | 463         | 44            | 10/20           | m   | 9/52           | L1   | DLM      |
| 1623         |        | 407         | 429                         | 808                         | 905                   | 468                      | 450                                 | 402                    | 400             | 619               | 673         | 45            | 9/21            | m   | 6/52           | L1   | WMM      |
| 1623         |        | 409         | 451                         | 828                         | 917                   | 454                      | 467                                 | 412                    | 387             | 372               | 586         | 44            | 10/20           | m   | 9/52           | L1   | DLM      |
| 1629         |        | 412         | 455                         | 824                         | 906                   | 452                      | 473                                 | 425                    | 393             | 502               | 566         | 43            | 10/19           | m   | 8/52           | L1   | DLM      |
| 1641         | 170    | 404         | 453                         | 813                         | 893                   | 452                      | 442                                 | 400                    | 404             | 654               |             | 47            |                 | m   | 9/52           | L1   | RS       |
| 1643         |        | 407         | 450                         | 815                         | 905                   | 451                      | 471                                 | 428                    | 401             |                   | 519         | 41            | 10/20           | m   | 9/52           | L1   | WMM      |
| 1647         |        | 411         | 451                         | 812                         | 897                   | 453                      | 460                                 | 420                    | 373             | 488               | 573         | 43            | 8/21            | m   | 9/52           | L1   | DLM      |
| 1649         |        | 421         | 466                         | 828                         | 928                   | 461                      | 482                                 | 430                    | 392             | 558               | 595         | 45            | 10/22           | m   | 9/52           | L1   | WMM      |
| 1652         |        | 415         | 450                         | 825                         | 911                   | 462                      | 469                                 | 425                    | 383             | 410               | 461         | 41            | 10/21           | m   | 9/52           | L1   | DLM      |
| 1662         |        | 408         | 444                         | 827                         | 910                   | 454                      | 466                                 | 401                    | 394             | 630               | 517         | 44            | 10/22           | m   | 9/52           | L1   | WMM      |
| 1670         | 197    |             |                             | 836                         | 923                   | 463                      | 479                                 | 439                    | 379             | 532               | 412         | 52            |                 | m   | 9/52           | L1   | WFR      |
| 1678         |        | 416         | 465                         | 844                         | 927                   | 468                      | 472                                 | 445                    | 397             | 458               | 544         | 43            | 9/21            | m   | 9/52           | L1   | DLM      |
| 1705         |        | 414         | 446                         | 826                         | 925                   | 457                      |                                     | 431                    | 389             | 534               | 601         | 44            | 10/21           | m   | 8/52           | L1   | DLM      |
| 1719         |        | 436         | 472                         | 875                         | 976                   | 487                      | 505                                 | 454                    | 382             | 546               | 566         | 45            | 19/11           | m   | 8/52           | L1   | DLM      |

Table 4. Yellowfin from the Central Equatorial Pacific:  
Eastern Line Islands

|     |                  |     |     |     |     |     |     |     |     |     |     |    |       |   |      |    |     |
|-----|------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-------|---|------|----|-----|
| 669 | 12               | 188 | 205 | 359 | 397 | 218 | 193 |     | 209 | 92  | 95  | 28 | 10/22 | m | 4/51 | Tr | JWR |
| 722 | 16               | 201 | 219 | 384 | 419 | 222 | 204 | 175 | 233 | 110 | 115 | 32 |       | f | 2/51 | Tr | JER |
| 753 | 17               | 212 | 231 | 405 | 446 | 240 | 211 | 189 | 224 | 106 | 102 | 33 |       | f | 2/51 | Tr | JER |
| 774 | 17               | 212 | 232 | 406 | 450 | 240 | 218 | 181 | 225 | 117 | 128 |    |       | f | 1/51 | Tr | JEK |
| 798 | 21 $\frac{1}{2}$ | 217 | 237 | 420 | 460 | 238 | 221 | 203 | 220 | 121 | 137 |    |       | f | 1/51 | Tr | JEK |



Table 4. Yellowfin from the Central Equatorial Pacific:  
Eastern Line Islands (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventrals to<br>Ant. Edge Vent. | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|-------------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 833          | 24     | 234         | 246                         | 445                         | 483                   | 251                      | 245                                 | 211                    | 225             | 113               | 107         |               |                 | f   | 1/51           | Tr   | JEK      |
| 844          | 25     | 233         | 249                         | 447                         | 493                   | 257                      | 232                                 | 204                    | 238             | 132               | 139         |               |                 | m   | 1/51           | Tr   | JEK      |
| 863          | 26     | 243         | 256                         | 452                         | 499                   | 268                      | 239                                 | 212                    | 254             | 158               | 167         | 36            |                 | m   | 2/51           | Tr   | JER      |
| 897          | 30     | 251         | 277                         | 475                         | 522                   | 275                      | 254                                 | 233                    | 246             | 135               | 141         | 35            | 9/20            |     | 9/50           | Tr   | JWR      |
| 917          | 33     | 255         | 277                         | 483                         | 531                   | 281                      | 255                                 | 238                    | 265             | 174               | 180         | 39            | 10/22           |     | 9/50           | Tr   | JWR      |
| 927          | 32     | 264         | 274                         | 476                         | 545                   | 280                      | 263                                 | 217                    | 272             | 172               | 161         | 33            |                 | f   | 9/51           | L1   | III      |
| 927          | 33     | 257         | 274                         | 484                         | 533                   | 287                      | 254                                 | 244                    | 271             | 151               | 170         | 38            | 10/20           |     | 9/50           | Tr   | JWR      |
| 936          | 34     | 257         | 270                         | 487                         | 537                   | 286                      | 254                                 | 230                    | 269             | 145               | 149         | 36            | 9/21            |     | 9/50           | Tr   | JWR      |
| 962          | 34     | 267         | 289                         | 494                         | 543                   | 298                      | 262                                 | 236                    | 279             | 186               | 213         | 36            |                 | f   | 9/51           | L1   | TC       |
| 975          | 38     | 264         | 289                         | 506                         | 555                   | 293                      | 264                                 | 240                    | 287             | 195               | 177         | 38            | 9/21            |     | 9/50           | Tr   | JWR      |
| 978          | 31     | 264         | 285                         | 513                         |                       | 566                      | 273                                 | 236                    | 270             | 167               | 162         | 33            |                 |     | 8/51           | L1   | III      |
| 979          | 35     | 267         | 282                         | 496                         | 563                   | 303                      | 278                                 | 236                    | 275             | 159               | 175         |               |                 | m   | 9/51           | L1   | III      |
| 1016         |        | 277         | 286                         | 517                         | 581                   | 313                      | 288                                 | 256                    | 281             | 174               | 214         | 39            | 10/21           | f   | 11/50          | Tr   | TJR      |
| 1019         |        | 282         | 293                         | 524                         | 602                   | 343                      | 279                                 | 254                    | 281             | 169               | 180         |               |                 | f   | 11/50          | Tr   | FCC      |
| 1042         | 46     | 282         | 308                         | 539                         | 591                   | 316                      | 287                                 |                        | 296             | 200               | 221         | 35            |                 | m   | 9/51           | L1   | TC       |
| 1043         | 46     | 272         | 297                         | 523                         | 579                   | 312                      | 280                                 | 246                    | 305             | 237               | 249         | 34            | 11/21           | f   | 2/53           | L1   | DC       |
| 1043         | 46     | 283         | 305                         | 529                         | 596                   | 317                      | 292                                 | 258                    | 303             | 245               | 272         | 35            |                 | f   | 9/51           | L1   | III      |
| 1046         |        | 273         | 297                         | 540                         | 597                   | 309                      | 294                                 | 243                    | 301             | 189               | 212         |               | 10/21           | f   | 11/50          | Tr   | FCC      |
| 1046         | 40     | 277         | 299                         | 539                         | 579                   | 301                      | 284                                 | 250                    | 294             | 292               | 241         |               |                 | f   | 1/51           | Tr   | JEK      |
| 1056         | 48     | 276         | 297                         | 533                         | 592                   | 304                      | 290                                 | 257                    | 281             | 191               | 210         | 34            |                 | m   | 8/51           | L1   | III      |
| 1057         | 50     | 288         | 315                         | 552                         | 610                   | 318                      | 296                                 | 264                    | 293             | 196               | 220         | 35            |                 | f   | 8/51           | L1   | III      |
| 1062         | 47     | 284         | 299                         | 543                         | 597                   | 317                      | 294                                 | 255                    | 338             | 258               | 290         | 37            |                 | m   | 9/51           | L1   | TC       |
| 1068         | 50     | 278         | 300                         | 549                         | 612                   | 304                      | 307                                 | 261                    | 308             | 245               | 255         | 36            |                 | m   | 8/51           | L1   | III      |
| 1086         |        | 295         | 314                         | 559                         | 626                   | 329                      | 303                                 | 268                    | 300             | 198               | 209         |               | 10/22           | f   | 10/50          | L1   | FCC      |
| 1090         |        | 293         | 318                         | 563                         | 631                   | 332                      | 309                                 | 261                    | 302             | 204               | 228         |               |                 | m   | 11/50          | Tr   | FCC      |
| 1091         | 50     | 298         | 325                         | 555                         | 620                   | 324                      | 297                                 | 258                    | 309             | 192               | 208         | 35            |                 | f   | 9/51           | L1   | III      |
| 1093         | 45     | 293         | 314                         | 556                         | 619                   | 328                      | 298                                 | 260                    | 302             | 196               | 206         | 38            |                 | m   | 2/51           | Tr   | JER      |
| 1095         | 50     | 293         | 314                         | 566                         | 612                   | 319                      | 297                                 | 256                    | 315             | 194               | 195         | 37            |                 | m   | 8/51           | L1   | III      |
| 1130         | 52     | 303         | 329                         | 572                         | 629                   | 344                      | 303                                 | 276                    | 294             | 209               | 249         |               |                 |     | 1/51           | Tr   | JEK      |
| 1161         | 62     | 305         | 325                         | 590                         | 644                   | 332                      | 325                                 | 290                    | 305             | 249               | 270         |               |                 | m   | 1/51           | Tr   | JEK      |

Table 4. Yellowfin from the Central Equatorial Pacific:  
Eastern Line Islands (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventrals to<br>Ant. Edge Vent. | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Provenier |     |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|-------------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|-----------|-----|
| 1181         |        | 311         | 332                         | 601                         | 663                   | 362                      | 312                                 | 289                    | 320             | 153               | 261         |               | 11/21           | f   | 10/50          | L1   | FCC       |     |
| 1182         |        | 309         | 333                         | 594                         | 665                   | 345                      | 332                                 | 273                    | 328             | 210               | 252         |               |                 | f   | 11/50          | L1   | DHB       |     |
| 1183         |        | 310         | 345                         | 603                         | 654                   | 342                      | 313                                 | 268                    | 309             | 215               | 242         |               |                 | m   | 11/50          | L1   | DHB       |     |
| 1214         | 73     | 306         | 336                         | 609                         | 675                   | 336                      | 348                                 | 302                    | 323             | 255               | 334         | 39            |                 | m   | 8/52           | L1   | RS        |     |
| 1221         |        | 316         | 344                         | 616                         | 681                   | 360                      | 321                                 | 291                    | 329             | 200               | 207         |               |                 | f   | 11/50          | L1   | FCC       |     |
| 1222         |        | 313         | 343                         | 619                         | 679                   | 352                      | 335                                 | 279                    | 348             | 269               | 302         |               |                 | f   | 11/50          | L1   | DHB       |     |
| 1226         |        | 321         | 341                         | 624                         | 698                   | 366                      | 345                                 | 292                    | 323             | 247               | 265         |               |                 | m   | 11/50          | L1   | DHB       |     |
| 1240         | 82     | 309         | 347                         | 623                         | 686                   | 342                      | 346                                 | 316                    | 349             | 262               | 286         | 38            |                 | f   | 8/52           | L1   | RS        |     |
| 1245         |        | 317         | 355                         | 632                         | 696                   | 351                      | 345                                 | 297                    | 352             | 277               | 302         |               |                 | m   | 11/50          | L1   | DHB       |     |
| 1245         |        | 325         | 353                         | 627                         | 700                   | 375                      | 344                                 | 284                    | 324             | 227               | 253         |               |                 | m   | 11/50          | L1   | DHB       |     |
| 1248         | 86     |             |                             | 633                         | 708                   | 353                      | 360                                 | 311                    |                 | 398               | 436         | 47            |                 | f   | 8/52           | L1   | WFR       |     |
| 1275         | 83     | 331         | 359                         | 660                         | 725                   | 370                      | 358                                 | 315                    | 326             | 271               | 275         | 37            |                 | f   | 8/52           | L1   | RS        |     |
| 1276         | 89     | 324         | 358                         | 644                         | 716                   | 365                      | 355                                 | 324                    | 366             | 322               | 377         | 36            |                 | m   | 8/52           | L1   | RS        |     |
| 1293         |        | 326         | 351                         | 649                         | 710                   | 364                      | 356                                 | 311                    | 349             | 325               | 336         |               | 10/20           | m   | 11/50          | L1   | FCC       |     |
| 1298         | 96     | 333         | 370                         | 651                         | 713                   | 364                      | 352                                 | 313                    | 375             | 331               | 391         | 41            | 9/21            | m   | 2/53           | L1   | DC        |     |
| 1300         | 93     |             |                             | 660                         | 727                   | 367                      | 363                                 | 328                    |                 | 327               | 369         | 47            |                 | f   | 8/52           | L1   | WFR       |     |
| 1317         |        | 339         | 361                         | 670                         | 745                   | 379                      | 375                                 | 326                    | 362             | 410               | 439         |               | 9/22            | m   | 11/50          | L1   | FCC       |     |
| 1324         | 91     |             |                             | 660                         | 734                   | 354                      | 380                                 | 323                    | 355             | 342               | 394         | 46            |                 | f   | 8/52           | L1   | WFR       |     |
| 1326         | 91½    | 332         | 360                         | 651                         | 734                   | 367                      | 364                                 | 309                    | 376             | 379               | 498         | 41            | 11/20           | f   | 2/53           | L1   | JEK       |     |
| 1331         | 105    | 336         | 374                         | 676                         | 746                   | 385                      | 370                                 | 332                    | 384             | 364               | 390         | 39            |                 | m   | 8/52           | L1   | RS        |     |
| 1333         |        | 342         | 258                         | 679                         | 745                   | 389                      | 368                                 | 329                    | 366             | 376               | 449         |               | 9/22            | m   | 11/50          | L1   | FCC       |     |
| 1335         | 102    | 347         | 376                         | 687                         | 752                   | 383                      | 374                                 | 336                    | 326             | 245               | 313         | 38            |                 | m   | 8/52           | L1   | RS        |     |
| 1339         |        |             | 378                         | 679                         | 754                   | 386                      | 382                                 | 334                    | 351             | 337               | 395         |               | 11/21           | m   | 10/50          | L1   | FCC       |     |
| 1342         | 100    | 337         | 383                         | 675                         | 748                   | 377                      | 374                                 | 336                    | 348             | 340               | 363         | 38            |                 | f   | 8/52           | L1   | RS        |     |
| 1343         | 97     |             |                             | 672                         | 728                   | 363                      | 366                                 | 325                    | 339             | 410               | 452         | 48            |                 | m   | 8/52           | L1   | WFR       |     |
| 1350         |        | 333         | 365                         | 680                         | 754                   | 372                      | 381                                 | 331                    | 357             | 380               | 410         | 40            |                 | f   | 8/52           | L1   | RS        |     |
| 1352         |        |             |                             | 681                         | 736                   | 369                      | 366                                 | 348                    |                 | 376               | 417         | 46            |                 |     |                | 8/52 | L1        | WFR |
| 1354         | 112    | 342         | 380                         | 681                         | 763                   | 383                      | 389                                 | 345                    | 357             | 495               | 554         | 42            |                 | f   | 8/52           | L1   | RS        |     |
| 1356         | 100    | 332         | 365                         | 679                         | 739                   | 370                      | 360                                 | 333                    | 346             | 444               | 488         | 41            |                 | f   | 8/52           | L1   | RS        |     |
| 1357         | 98     | 328         | 362                         | 667                         | 731                   | 367                      | 373                                 | 327                    | 348             | 397               | 389         | 40            |                 | m   | 8/52           | L1   | RS        |     |

Table 4. Yellowfin from the Central Equatorial Pacific:  
Eastern Line Islands (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventrals to<br>Ant. Edge Vent. | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|-------------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 1359         |        | 341         | 363                         | 691                         | 758                   | 390                      | 379                                 | 337                    | 376             | 367               | 461         |               | 10/19           | f   | 11/50          | L1   | FCC      |
| 1368         |        | 342         | 378                         | 681                         | 749                   | 379                      |                                     | 333                    | 366             | 519               | 557         | 42            |                 | f   | 8/52           | L1   | RS       |
| 1372         |        | 349         | 378                         | 695                         | 766                   | 389                      | 399                                 | 342                    | 364             | 393               | 442         |               | 10/21           | m   | 10/50          | L1   | FCC      |
| 1372         | 110    |             |                             | 712                         | 762                   | 385                      | 380                                 | 351                    |                 | 303               | 366         | 42            |                 | m   | 8/52           | L1   | WFR      |
| 1374         | 95     | 335         | 353                         | 649                         | 722                   | 372                      | 360                                 | 333                    | 361             | 270               | 315         | 39            |                 | m   | 8/52           | L1   | RS       |
| 1377         | 114    | 337         | 367                         | 684                         | 743                   | 380                      | 364                                 | 343                    | 374             | 395               | 463         | 41            |                 | f   | 8/52           | L1   | RS       |
| 1380         | 106    |             |                             | 689                         | 764                   | 372                      | 401                                 | 358                    |                 | 380               | 443         | 46            |                 | m   | 8/52           | L1   | WFR      |
| 1380         |        | 352         | 381                         | 706                         | 773                   | 388                      | 386                                 | 354                    | 346             | 494               | 549         | 43            |                 | f   | 8/52           | L1   | RS       |
| 1381         |        | 350         | 376                         | 687                         | 762                   | 387                      |                                     | 343                    | 349             | 396               | 544         | 44            |                 | f   | 8/52           | L1   | RS       |
| 1383         | 112    | 342         | 385                         | 700                         | 765                   | 376                      | 384                                 | 350                    | 358             | 414               | 488         | 40            |                 | m   | 8/52           |      | RS       |
| 1385         |        | 348         | 389                         | 703                         | 771                   | 382                      | 395                                 | 348                    | 363             | 392               | 466         | 39            |                 | f   | 8/52           | L1   | RS       |
| 1386         |        | 340         | 381                         | 701                         | 757                   | 382                      | 379                                 | 360                    | 371             | 459               | 496         | 40            |                 | m   | 8/52           | L1   | RS       |
| 1390         | 105    |             |                             | 707                         | 802                   | 390                      | 404                                 | 329                    |                 | 520               | 577         | 49            |                 | f   | 8/52           | L1   | WFR      |
| 1391         | 113    | 348         | 385                         | 700                         | 772                   | 377                      | 400                                 | 346                    |                 | 337               | 346         | 43            |                 | m   | 8/52           | L1   | WFR      |
| 1393         | 105    |             |                             | 709                         | 780                   | 378                      | 405                                 | 330                    |                 | 359               | 325         | 47            |                 | f   | 8/52           | L1   | WFR      |
| 1394         | 104    | 358         | 366                         | 685                         | 775                   | 359                      | 384                                 | 326                    | 366             | 473               | 623         | 43            | 9/21            | f   | 2/53           | L1   | DC       |
| 1395         | 109    | 338         | 384                         | 695                         | 765                   | 378                      | 401                                 | 345                    | 378             | 365               | 350         | 40            |                 | f   | 8/52           |      | RS       |
| 1396         |        |             |                             | 705                         | 776                   | 384                      | 410                                 | 352                    |                 | 543               | 610         | 50            |                 | f   | 8/52           | L1   | WFR      |
| 1396         | 119    |             |                             | 732                         | 803                   | 410                      | 394                                 | 354                    |                 | 314               | 366         | 43            |                 | m   | 8/52           | L1   | WFR      |
| 1396         | 122    | 347         | 387                         | 703                         | 766                   | 388                      | 384                                 | 357                    | 362             | 403               | 455         | 42            |                 | m   | 8/52           | L1   | RS       |
| 1399         |        |             |                             | 704                         | 771                   | 396                      | 390                                 | 352                    |                 | 422               | 475         | 46            |                 |     | 8/52           | L1   | WFR      |
| 1405         | 108    | 345         | 379                         | 699                         | 763                   | 375                      | 394                                 | 336                    | 390             | 388               | 435         | 39            |                 | m   | 8/52           | L1   | RS       |
| 1406         | 111    | 346         | 393                         | 701                         | 768                   | 384                      | 389                                 | 344                    | 375             | 395               | 426         | 39            |                 | m   | 8/52           | L1   | RS       |
| 1406         | 112    | 352         | 377                         | 702                         | 774                   | 376                      | 404                                 | 354                    | 345             | 422               | 469         |               |                 | m   | 1/51           | Tr   | JEK      |
| 1407         |        | 354         | 376                         | 710                         | 777                   | 405                      | 403                                 | 364                    | 373             | 481               | 545         |               | 10/20           | m   | 10/50          | L1   | FCC      |
| 1408         | 117    | 363         | 397                         | 717                         | 801                   | 405                      | 400                                 | 357                    | 348             | 328               | 408         | 40            |                 | f   | 8/52           |      | RS       |
| 1409         |        |             |                             | 722                         | 785                   | 397                      | 397                                 | 348                    |                 | 441               | 515         | 47            |                 | f   | 8/52           | L1   | WFR      |
| 1409         | 115    | 356         | 378                         | 708                         | 777                   | 396                      | 394                                 | 353                    | 371             | 319               | 406         | 41            |                 | m   | 8/52           | L1   | RS       |
| 1409         | 116    | 349         | 378                         | 696                         | 765                   | 383                      | 392                                 | 351                    | 381             | 373               | 415         | 40            |                 | m   | 8/52           | L1   | RS       |
| 1410         | 114    | 350         | 387                         | 701                         | 768                   | 393                      | 382                                 | 358                    | 374             | 385               | 402         | 40            |                 | m   | 8/52           | L1   | RS       |

Table 4. Yellowfin from the Central Equatorial Pacific:  
Eastern Line Islands (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventrals to<br>Ant. Edge Vent | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers      | Sex | Month and Year | Gear | Examined |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|------------------------------------|------------------------|-----------------|-------------------|-------------|---------------|----------------------|-----|----------------|------|----------|
| 1413         | 114    | 352         | 385                         | 697                         | 777                   | 386                      | 389                                | 346                    | 377             | 417               | 450         | 39            | 10/20<br>9/20        | m   | 8/52           | L1   | RS       |
| 1413         | 116    |             |                             | 713                         | 779                   | 388                      | 400                                | 358                    |                 | 345               | 380         | 44            |                      | m   | 8/52           | L1   | WFR      |
| 1416         | 112    | 362         | 393                         | 707                         | 778                   | 390                      | 387                                | 338                    | 367             | 617               | 637         | 45            |                      | f   | 2/53           | L1   |          |
| 1418         |        | 363         | 390                         | 721                         | 791                   | 414                      | 388                                | 354                    | 384             | 523               | 643         |               |                      | m   | 11/50          | L1   | FCC      |
| 1421         | 119    | 362         | 390                         | 708                         | 784                   | 399                      | 398                                | 360                    | 355             | 571               | 611         | 45            |                      | f   | 8/52           | L1   | RS       |
| 1423         | 110    |             |                             | 731                         | 792                   | 400                      | 392                                | 357                    |                 | 518               |             | 48            | 10/20<br>9/19        |     | 8/52           | L1   | WFR      |
| 1425         |        |             |                             | 722                         | 792                   | 392                      | 404                                | 363                    |                 | 437               | 500         | 47            |                      | m   | 8/52           | L1   | WFR      |
| 1426         |        | 354         | 391                         | 712                         | 774                   | 401                      | 375                                | 346                    | 352             | 450               | 577         | 43            |                      | f   | 8/52           | L1   | RS       |
| 1428         | 123    | 352         | 385                         | 704                         | 777                   | 380                      | 397                                | 361                    | 399             | 519               | 540         | 40            |                      | f   | 1/53           | L1   | JEK      |
| 1429         |        | 361         | 392                         | 718                         | 791                   | 406                      | 771                                | 345                    | 388             | 533               | 614         |               |                      | f   | 10/50          | L1   | DHB      |
| 1430         | 115    | 359         | 380                         | 715                         | 775                   | 395                      | 402                                | 349                    | 343             | 423               | 532         |               |                      | m   | 1/51           | Tr   | JEK      |
| 1432         | 123    | 363         | 399                         | 715                         | 781                   | 404                      | 384                                | 374                    | 368             | 479               | 556         |               |                      | m   | 8/52           | L1   | RS       |
| 1434         | 122    |             |                             | 720                         | 803                   | 400                      | 407                                | 353                    | 356             | 412               | 460         | 50            |                      | f   | 8/52           | L1   | WFR      |
| 1434         | 124    |             |                             | 741                         | 813                   | 407                      | 412                                | 357                    |                 | 477               | 488         |               |                      | f   | 8/52           | L1   | WFR      |
| 1435         | 121    | 353         | 382                         | 705                         | 778                   | 397                      | 387                                | 363                    | 376             | 429               | 572         | 40            |                      | m   | 8/52           | L1   | RS       |
| 1436         | 120    | 352         | 381                         | 726                         | 778                   | 391                      | 389                                | 363                    | 360             | 466               | 534         | 41            |                      | m   | 8/52           | L1   | RS       |
| 1441         | 117    | 355         | 386                         | 715                         | 784                   | 401                      | 385                                | 359                    | 367             | 332               | 339         | 39            |                      | m   | 8/52           | L1   | RS       |
| 1444         | 121    | 358         | 387                         | 719                         | 782                   | 402                      | 386                                | 354                    | 371             | 569               | 602         | 42            |                      | f   | 8/52           | L1   | RS       |
| 1446         | 123    | 349         | 389                         | 718                         | 789                   | 386                      | 413                                | 360                    | 380             | 465               | 596         | 45            |                      | f   | 8/52           |      | RS       |
| 1450         | 122    | 364         | 396                         | 736                         | 808                   | 408                      | 410                                | 362                    | 357             | 435               | 531         | 43            |                      | f   | 8/52           | L1   | RS       |
| 1456         |        | 362         | 399                         | 729                         | 811                   | 408                      | 411                                | 360                    | 372             | 525               | 449         | 42            | 10/21                | m   | 8/52           | L1   | RS       |
| 1458         |        | 364         | 410                         | 751                         | 827                   | 406                      | 425                                | 364                    | 378             |                   | 417         | 39            |                      | m   | 8/52           | L1   | RS       |
| 1458         | 130    | 359         | 403                         | 732                         | 807                   | 398                      | 416                                | 380                    | 367             | 471               | 601         | 45            |                      | f   | 1/53           | L1   | JEK      |
| 1459         | 123    |             |                             | 720                         | 805                   | 388                      | 391                                | 354                    |                 | 411               | 486         | 49            |                      | f   | 8/52           | L1   | WFR      |
| 1460         | 130    |             |                             | 745                         | 814                   | 391                      | 428                                | 372                    |                 | 460               | 539         | 47            |                      | f   | 8/52           | L1   | WFR      |
| 1462         |        | 371         | 389                         | 726                         | 817                   | 437                      | 394                                | 365                    | 365             | 616               | 689         |               | 9/20<br>9/21<br>9/20 | m   | 11/50          | L1   | FCC      |
| 1469         |        |             |                             | 740                         | 805                   | 398                      | 411                                | 356                    |                 | 493               | 526         | 46            |                      | m   | 8/52           | L1   | WFR      |
| 1474         | 133    | 363         | 391                         | 737                         | 816                   | 400                      | 412                                | 368                    | 381             | 505               | 531         | 42            |                      | m   | 1/53           | L1   | JEK      |
| 1477         |        | 379         | 386                         | 729                         | 844                   | 453                      | 419                                | 374                    | 393             | 504               | 645         |               |                      | m   | 11/50          | L1   | FCC      |
| 1477         | 139    |             |                             | 753                         | 823                   | 402                      | 421                                | 380                    |                 | 484               | 559         | 48            |                      | m   | 8/52           | L1   | WFR      |

Table 4. Yellowfin from the Central Equatorial Pacific:  
Eastern Line Islands (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventrals to<br>Ant. Edge Vent | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examining |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|------------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|-----------|
| 1479         |        | 365         | 399                         | 726                         | 804                   | 409                      | 409                                | 383                    | 367             | 364               | 539         |               | 9/20            | m   | 11/50          | L1   | FCC       |
| 1481         |        | 367         | 389                         | 734                         | 814                   | 419                      | 403                                | 373                    | 388             | 500               | 601         |               | 9/19            | m   | 10/50          | L1   | FCC       |
| 1483         | 127    |             |                             | 728                         | 819                   | 412                      | 415                                | 363                    |                 | 603               | 632         | 53            |                 | f   | 8/52           | L1   | WFR       |
| 1485         |        | 384         | 381                         | 736                         | 812                   | 422                      | 410                                | 364                    | 371             | 538               | 653         |               | 10/21           | m   | 10/50          | L1   | FCC       |
| 1486         |        | 373         | 406                         | 748                         | 819                   | 418                      | 403                                | 386                    | 366             | 559               | 668         | 44            |                 | m   | 8/52           | L1   | RS        |
| 1489         | 140    | 380         | 422                         | 751                         | 833                   | 420                      | 411                                | 385                    | 375             | 428               | 450         | 43            | 11/22           | m   | 1/53           | L1   | JEK       |
| 1492         | 134    |             |                             | 734                         | 816                   | 394                      | 424                                | 372                    | 350             | 569               | 653         | 51            |                 | m   | 8/52           | L1   | WFR       |
| 1497         | 127    |             |                             | 751                         | 825                   | 406                      | 422                                | 363                    |                 | 564               | 613         | 49            |                 | f   | 8/52           | L1   | WFR       |
| 1498         | 140    |             |                             | 750                         | 824                   | 418                      | 427                                | 385                    |                 | 712               | 752         | 53            |                 | m   | 8/52           | L1   | WFR       |
| 1499         |        | 369         | 401                         | 725                         | 816                   | 399                      | 432                                | 375                    | 379             | 504               | 564         | 45            |                 | f   | 8/52           | L1   | RS        |
| 1500         | 139    |             |                             | 747                         | 826                   | 405                      | 412                                | 375                    |                 | 537               | 652         | 49            |                 | f   | 8/52           | L1   | WFR       |
| 1503         | 136    | 380         | 415                         | 741                         | 821                   | 426                      | 408                                | 375                    | 376             | 494               | 581         | 44            |                 | m   | 9/51           | L1   | III       |
| 1503         | 142    | 378         | 402                         | 741                         | 815                   | 420                      | 402                                | 381                    | 357             | 596               | 689         | 47            | 10/21           | m   | 2/53           | L1   |           |
| 1503         | 146    | 378         | 411                         | 764                         | 831                   | 431                      | 416                                | 383                    | 347             | 535               | 611         | 44            |                 | m   | 9/51           | L1   | TC        |
| 1507         | 132    | 374         | 412                         | 742                         | 821                   | 419                      | 413                                | 373                    | 379             | 514               | 692         | 43            |                 | m   | 9/51           | L1   | III       |
| 1507         | 137    | 370         | 401                         | 745                         | 828                   | 416                      | 417                                | 378                    | 369             | 588               | 320         | 46            |                 | f   | 8/52           | L1   | RS        |
| 1507         | 137    | 380         | 400                         | 747                         | 825                   | 414                      | 419                                | 370                    | 386             | 567               | 626         | 46            | 9/21            | m   | 2/53           | L1   | JEK       |
| 1507         | 140    | 364         | 411                         | 737                         | 804                   | 428                      | 390                                | 377                    | 379             | 566               | 601         | 45            |                 | m   | 9/51           | L1   | ELN       |
| 1510         | 132    | 380         | 406                         | 700                         | 823                   | 418                      | 418                                | 368                    | 392             | 558               | 663         | 45            |                 | m   | 9/51           | L1   | TC        |
| 1511         | 137    | 395         | 423                         | 751                         | 840                   | 456                      | 402                                | 371                    | 380             | 607               | 526         | 45            |                 | m   | 9/51           | L1   | TC        |
| 1511         | 150    | 380         | 424                         | 762                         | 850                   | 438                      | 433                                | 387                    | 366             | 623               | 631         | 45            |                 | m   | 8/51           | L1   | III       |
| 1514         |        | 379         | 397                         | 753                         | 831                   | 427                      |                                    | 391                    | 357             | 500               | 547         |               | 10/21           | m   | 10/50          | L1   | FCC       |
| 1515         | 141    | 380         | 416                         | 750                         | 839                   | 417                      | 433                                | 373                    | 370             | 543               | 625         | 44            |                 | m   | 9/51           | L1   | III       |
| 1515         | 142    | 377         | 401                         | 751                         | 835                   | 446                      | 415                                | 395                    | 381             | 642               | 703         | 45            |                 | m   |                | L1   | TC        |
| 1516         | 142    | 385         | 415                         | 749                         | 822                   | 428                      | 420                                | 383                    | 381             | 579               | 670         | 43            |                 | m   | 9/51           | L1   | III       |
| 1517         | 137    | 380         | 409                         |                             | 838                   | 435                      | 437                                | 385                    | 380             | 532               | 552         | 48            |                 | m   | 9/51           | L1   | TC        |
| 1520         | 139    | 374         | 399                         | 745                         | 829                   | 413                      | 422                                | 376                    | 390             | 551               | 643         | 45            |                 | m   | 9/51           | L1   | III       |
| 1520         | 154    | 388         | 424                         | 767                         | 849                   | 434                      | 410                                | 396                    | 357             |                   | 485         | 44            |                 | m   | 8/52           | L1   | RS        |
| 1522         | 140    | 378         | 410                         | 750                         | 830                   | 433                      | 435                                | 387                    | 353             | 533               | 646         | 42            |                 | m   | 9/51           | L1   | TC        |
| 1523         |        |             |                             | 756                         | 828                   | 410                      | 430                                | 393                    |                 | 615               | 647         | 52            |                 | m   | 8/52           | L1   | WFR       |

Table 4. Yellowfin from the Central Equatorial Pacific:  
Eastern Line Islands (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventrals to<br>Ant. Edge Vent | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|------------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 1523         | 147    |             |                             | 747                         | 822                   | 413                      | 424                                | 393                    |                 | 569               | 612         | 51            |                 | m   | 8/52           | L1   | WFR      |
| 1525         | 145    | 379         | 406                         | 749                         | 840                   | 442                      | 419                                | 378                    | 391             | 594               | 657         | 43            |                 | m   | 9/51           | L1   | III      |
| 1530         |        | 374         | 419                         | 769                         | 832                   | 428                      | 420                                | 374                    | 400             | 539               | 600         |               |                 | m   | 11/50          | L1   | DHB      |
| 1530         | 156    | 389         | 412                         | 759                         | 849                   | 452                      | 423                                | 385                    | 401             | 608               | 599         | 46            |                 | m   | 9/51           | L1   | III      |
| 1531         | 127    | 386         | 396                         | 740                         | 849                   | 466                      | 405                                | 350                    | 359             | 481               | 574         | 45            |                 | f   | 9/51           | L1   | III      |
| 1531         | 144    | 371         | 402                         | 741                         | 825                   | 412                      | 439                                | 377                    | 375             | 398               | 603         | 46            |                 | m   | 9/51           | L1   | III      |
| 1534         | 147    | 377         | 415                         | 752                         | 835                   | 422                      | 420                                | 372                    | 379             | 638               | 727         | 47            |                 | f   | 9/51           | L1   | III      |
| 1534         | 159    |             |                             | 789                         | 860                   | 428                      | 435                                | 401                    |                 | 408               | 492         | 47            |                 | m   | 8/52           | L1   | WFR      |
| 1535         | 148    | 375         | 415                         | 760                         | 834                   | 426                      | 429                                | 381                    | 379             | 568               | 664         | 46            |                 | m   | 9/51           | L1   | TC       |
| 1536         | 136    | 378         | 412                         | 762                         | 836                   | 426                      | 426                                | 376                    | 392             | 526               | 548         | 45            |                 | m   | 9/51           | L1   | TC       |
| 1537         | 143    | 384         | 405                         | 761                         | 845                   | 435                      | 430                                | 379                    | 389             | 612               | 608         | 45            |                 | m   | 9/51           | L1   | TC       |
| 1538         |        | 378         | 412                         | 771                         | 848                   | 430                      | 415                                | 389                    | 376             | 583               | 681         | 44            |                 | m   | 8/52           | L1   | RS       |
| 1541         | 151    | 386         | 395                         | 756                         | 859                   | 469                      | 415                                | 391                    | 375             | 643               | 690         | 45            |                 | m   | 9/51           | L1   | TC       |
| 1542         | 150    | 377         | 410                         | 754                         | 837                   | 420                      | 428                                | 378                    | 398             | 641               | 710         | 44            |                 | m   | 9/51           | L1   | III      |
| 1544         |        |             |                             | 781                         | 856                   | 420                      | 441                                | 394                    |                 | 614               | 592         | 51            |                 | m   | 8/52           | L1   | WFR      |
| 1546         |        | 391         | 408                         | 748                         | 855                   | 464                      | 420                                | 378                    | 375             | 546               | 632         |               |                 | m   | 11/50          | L1   | DHB      |
| 1546         | 146    | 380         | 412                         | 763                         | 830                   | 423                      | 418                                | 375                    | 361             | 550               | 625         | 44            |                 | m   | 9/51           | L1   | III      |
| 1546         | 158    | 381         | 417                         | 769                         | 837                   | 424                      | 424                                | 400                    | 398             | 625               | 783         | 45            | 10/21           | m   | 2/53           | L1   | JEK      |
| 1550         | 160    | 400         | 428                         | 782                         | 868                   | 452                      | 440                                | 388                    | 395             | 606               | 677         | 45            |                 | m   | 9/51           | L1   | III      |
| 1554         | 153    | 379         | 414                         | 757                         | 844                   | 423                      | 439                                | 383                    | 394             | 637               | 713         | 44            |                 | m   | 9/51           | L1   | III      |
| 1555         | 140    | 378         | 410                         | 757                         | 848                   | 421                      | 445                                | 369                    | 350             | 555               | 625         | 45            |                 | m   | 9/51           | L1   | III      |
| 1561         | 155    | 381         | 410                         | 762                         | 840                   | 428                      | 428                                | 394                    | 370             | 695               | 754         | 47            |                 | m   | 9/51           | L1   | TC       |
| 1561         | 155    | 384         | 432                         | 785                         | 852                   | 430                      | 439                                | 395                    | 389             | 590               | 602         | 43            |                 | m   | 8/52           | L1   | RS       |
| 1563         | 158    | 386         | 436                         | 761                         | 861                   | 431                      | 458                                | 399                    | 358             | 501               | 536         | 43            |                 | m   | 9/51           | L1   | TC       |
| 1568         |        | 382         | 425                         | 763                         | 846                   | 422                      | 428                                | 404                    | 377             | 575               | 612         | 44            |                 | m   | 8/52           | L1   | RS       |
| 1572         | 164    | 403         | 432                         | 791                         | 881                   | 452                      | 441                                | 397                    | 350             | 570               | 360         | 42            |                 | m   | 9/51           | L1   | TC       |
| 1580         | 165    |             |                             | 812                         | 887                   | 440                      | 460                                | 405                    |                 | 451               | 576         | 50            |                 | m   | 8/52           |      | WFR      |
| 1580         | 171    |             |                             | 798                         | 870                   | 428                      | 444                                | 386                    |                 | 581               |             | 51            |                 | f   | 8/52           | L1   | WFR      |
| 1582         | 159    | 401         | 439                         | 785                         | 869                   | 456                      | 438                                | 419                    | 394             | 656               |             | 52            |                 | m   | 2/51           | Tr   | JER      |
| 1587         | 165    | 397         | 429                         | 778                         | 861                   | 452                      | 434                                | 391                    | 378             | 553               | 589         | 45            |                 | m   | 9/51           | L1   | TC       |

Table 4. Yellowfin from the Central Equatorial Pacific:  
Eastern Line Islands (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventrals to<br>Ant. Edge Vent | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|------------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 1594         | 155    | 387         | 411                         | 779                         | 880                   | 463                      | 441                                | 377                    | 344             | 562               | 605         | 44            |                 | m   | 9/51           | L1   | III      |
| 1597         | 170    | 398         | 426                         | 792                         | 875                   | 450                      | 449                                | 415                    | 402             | 581               | 633         | 44            |                 | m   | 9/51           | L1   | TC       |
| 1602         | 160    | 404         | 428                         | 776                         | 875                   | 457                      | 433                                | 392                    | 381             | 526               | 683         | 50            |                 | m   | 8/51           | L1   | III      |
| 1602         | 165    | 406         | 439                         | 789                         | 884                   | 449                      | 469                                | 405                    | 394             | 573               | 626         | 44            |                 | m   | 9/51           | L1   | EDS      |
| 1607         | 179    |             |                             | 802                         | 880                   | 444                      | 446                                | 406                    |                 | 631               | 539         | 51            |                 | m   | 8/52           | L1   | WFR      |
| 1611         | 168    | 393         | 411                         | 775                         | 838                   | 457                      | 439                                | 408                    | 380             | 638               | 728         | 46            | 10/21           | m   | 9/51           | L1   | III      |
| 1614         |        | 400         | 427                         | 804                         | 903                   | 467                      | 450                                | 403                    | 416             | 677               | 766         |               |                 | m   | 11/50          | L1   | FCC      |
| 1617         | 178    |             |                             | 822                         | 893                   | 447                      | 454                                | 427                    |                 | 595               | 670         | 41            |                 | m   | 8/52           | L1   | WFR      |
| 1619         | 164    | 429         | 455                         | 817                         | 901                   | 478                      | 441                                | 409                    | 380             | 433               | 530         | 42            |                 | m   | 9/51           | L1   | TC       |
| 1627         | 176    |             |                             | 812                         | 885                   | 439                      | 455                                |                        |                 | 658               |             | 53            |                 | m   | 8/52           | L1   | WFR      |
| 1637         | 191    | 420         | 460                         | 834                         | 926                   | 483                      | 459                                | 418                    | 365             | 440               | 539         | 45            |                 | m   | 8/51           | L1   | III      |
| 1651         | 192    | 417         | 470                         | 830                         | 909                   | 477                      | 450                                | 449                    | 371             | 511               | 602         | 45            |                 | m   | 8/52           | L1   | RS       |

Table 5. Yellowfin from the Central Equatorial Pacific:  
Western Line Islands

|     |       |     |     |     |     |     |     |     |     |    |    |    |               |   |       |    |     |
|-----|-------|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|---------------|---|-------|----|-----|
| 476 | 5     | 132 | 149 | 256 | 287 | 150 |     | 124 | 142 | 56 | 56 | 22 | 10/19<br>9/20 | m | 2/48  |    | MBS |
| 552 |       | 162 | 176 | 309 | 335 | 181 | 155 | 141 | 163 | 63 | 61 | 27 |               |   | 9/50  | Tr | JER |
| 565 |       | 163 | 180 | 309 | 341 | 182 | 157 | 133 | 179 | 74 | 71 | 29 |               | f |       | Tr | DC  |
| 579 |       | 171 | 186 | 317 | 344 | 191 | 167 | 157 | 173 |    | 79 | 22 |               |   | 1/53  | Pl | HY  |
| 586 |       | 177 | 188 | 321 | 353 | 191 | 169 | 152 | 177 | 69 | 75 | 29 |               | m | 11/50 | Tr | TJR |
| 599 |       | 179 | 179 | 320 | 367 | 225 | 156 | 152 | 177 | 79 | 76 | 30 | 10/21         | f | 1/53  | Tr | DC  |
| 605 |       | 176 | 189 | 329 | 360 | 203 | 170 | 148 | 170 | 74 |    | 29 | 10/20         | m | 11/50 | Tr | JWR |
| 607 |       | 173 | 187 | 332 | 363 | 191 | 176 | 150 | 174 | 69 | 71 | 22 | 10/21         | f | 11/50 | Tr |     |
| 609 |       | 174 | 189 | 331 | 361 | 198 | 167 | 150 | 171 | 74 | 73 | 29 | 11/22         | m | 6/51  | Tr | FCJ |
| 610 | 9 1/2 | 180 | 190 | 328 | 369 | 203 | 177 | 151 | 179 | 74 | 74 | 30 | 10/21         | f | 2/50  | Tr | JWR |
| 629 |       | 182 | 196 | 345 | 372 | 203 | 184 | 164 | 196 |    |    | 34 |               |   | 1/53  | Pl | HY  |
| 630 |       | 187 | 201 | 346 | 382 | 212 | 182 | 156 | 181 | 76 | 81 | 30 | 9/21          | f | 11/50 | Tr | JWR |
| 632 |       | 190 | 200 | 345 | 380 | 207 | 183 | 167 | 191 | 90 | 88 | 29 |               |   | 1/53  | Pl | HY  |
| 633 |       | 187 | 199 | 344 | 379 | 206 | 181 | 161 | 185 | 73 | 77 | 30 | 9/20          | f | 11/50 | Tr | TJR |
| 647 | 11    | 191 | 206 | 353 | 386 | 213 | 179 | 167 | 202 | 91 | 89 | 34 |               | m | 2/51  | Tr | JER |

Table 5 Yellowfin from the Central Equatorial Pacific:  
Western Line Islands (Continued)

| Total Length | Weight           | Head Length | Snout to In-<br>let Dorsal | Snout to In-<br>let 2nd Dorsal | Snout to In-<br>let Anal | Snout to In-<br>let Ventral | In-<br>let Ventrals to<br>Anal Edge Ventrals | Greatest Body<br>Depth | Length to<br>Pectoral | Weight to<br>Dorsal | Height to<br>Anal | Snout to In-<br>let | Age   | Sex | Month and Year | Gear | Remarks |
|--------------|------------------|-------------|----------------------------|--------------------------------|--------------------------|-----------------------------|--|------------------------|-----------------------|---------------------|-------------------|---------------------|-------|-----|----------------|------|---------|
| 648          |                  | 189         | 199                        | 360                            | 387                      | 206                         | 186  | 153                    | 181                   | 82                  | 77                | 30                  | 10/21 | m   | 2/53           | P1   | JEK     |
| 655          |                  | 194         | 205                        | 358                            |                          | 216                         | 189  | 169                    | 200                   | 86                  | 87                | 32                  | 9/21  | f   | 1/53           | Tr   | DC      |
| 656          |                  | 189         | 200                        | 354                            | 382                      | 210                         | 189  | 168                    |                       | 96                  | 93                | 29                  |       |     | 1/53           | P1   | DC      |
| 660          |                  | 195         | 210                        | 360                            | 395                      | 213                         | 187  | 170                    | 206                   | 91                  | 82                | 32                  | 10/21 | m   | 1/53           | Tr   | DC      |
| 670          | 14               | 203         | 219                        | 375                            | 422                      | 226                         | 201  | 173                    | 206                   | 99                  | 104               | 32                  | 9/20  | m   | 2/53           | L1   | DC      |
| 677          |                  | 217         | 215                        | 368                            | 403                      | 223                         | 192  | 172                    | 201                   | 86                  | 88                | 32                  | 10/21 | m   | 11/50          | Tr   | TJR     |
| 683          |                  | 200         | 222                        | 374                            | 414                      | 223                         | 193  | 177                    | 196                   | 95                  | 84                | 30                  | 9/21  | f   | 2/53           | P1   | JEK     |
| 687          |                  | 200         | 216                        | 373                            | 406                      | 225                         | 191  | 172                    | 203                   | 102                 | 109               | 30                  | 11/22 | f   | 11/50          | Tr   | JER     |
| 713          | 13               | 204         | 223                        | 381                            | 423                      | 226                         | 202  | 183                    | 202                   | 104                 | 101               | 33                  |       | f   | 2/51           | Tr   | JER     |
| 724          | 16               | 208         | 223                        | 385                            | 424                      | 229                         | 207  | 186                    | 211                   | 112                 | 105               | 34                  | 9/21  | f   | 9/50           | Tr   | JER     |
| 726          | 14 $\frac{1}{2}$ | 206         | 227                        | 387                            | 422                      | 229                         | 196  | 183                    | 227                   | 105                 | 112               | 34                  |       | f   | 2/51           | Tr   | JER     |
| 727          | 20               | 207         | 223                        | 391                            | 436                      |                             | 184  | 224                    | 108                   | 112                 | 112               | 33                  | 10/21 | f   | 2/48           |      | MBS     |
| 733          | 17               | 201         | 224                        | 383                            | 417                      | 221                         | 201  | 173                    | 216                   | 109                 | 113               | 33                  | 10/21 | f   | 9/50           | Tr   | JER     |
| 737          | 13 $\frac{1}{2}$ | 209         | 225                        | 392                            | 427                      | 232                         | 202  | 180                    | 218                   | 97                  | 101               | 33                  |       | f   | 2/51           | Tr   | JER     |
| 737          | 15               | 202         | 206                        | 391                            | 424                      | 223                         | 211  | 184                    | 228                   | 119                 | 120               | 34                  |       | f   | 2/51           | Tr   | JER     |
| 742          | 15 $\frac{1}{2}$ | 220         | 232                        |                                | 443                      | 229                         |  |                        | 215                   | 97                  | 112               | 33                  |       |     | 2/51           | Tr   | JER     |
| 747          | 15               | 211         | 233                        | 404                            | 445                      | 236                         |  | 182                    | 230                   | 122                 | 121               | 31                  | 8/20  | f   | 2/48           |      | MBS     |
| 749          |                  | 213         | 234                        | 407                            | 444                      | 227                         | 217  | 193                    | 212                   | 100                 | 98                | 33                  | 9/21  | f   | 2/53           | P1   | JEK     |
| 749          |                  | 221         | 231                        | 403                            | 440                      | 238                         | 207  | 191                    | 223                   | 101                 | 116               | 32                  | 9/21  | m   | 11/50          | Tr   | TJR     |
| 749          | 16               | 211         | 231                        | 399                            | 433                      | 232                         | 203  | 190                    | 221                   | 114                 | 106               | 35                  |       | f   | 2/51           | Tr   | JER     |
| 758          |                  | 211         | 230                        | 395                            | 442                      | 236                         | 219  | 179                    | 224                   | 119                 | 120               | 31                  | 11/21 | m   | 10/50          | Tr   | TJR     |
| 759          |                  | 213         | 228                        | 400                            | 442                      | 237                         | 215  | 188                    | 231                   | 117                 | 125               | 31                  | 9/20  | m   | 11/50          | Tr   | TJR     |
| 759          | 18               | 214         | 235                        | 409                            | 454                      | 251                         |  | 190                    | 205                   | 107                 | 109               | 31                  |       | f   | 2/48           |      | MBS     |
| 761          | 18               | 216         | 236                        | 409                            | 452                      | 247                         |  | 187                    | 217                   | 103                 | 107               | 33                  | 9/20  | m   | 2/48           |      | MBS     |
| 772          |                  | 219         | 232                        | 406                            | 450                      | 244                         | 220  | 184                    | 232                   | 117                 | 115               | 32                  | 10/21 | f   | 11/50          | Tr   | JWR     |
| 772          | 20               | 220         | 239                        | 412                            | 445                      | 241                         | 213  | 189                    | 216                   | 110                 | 114               | 37                  | 10/21 | m   | 9/50           | Tr   | JER     |
| 775          |                  | 220         | 235                        | 411                            | 456                      | 242                         | 218  | 192                    | 224                   | 104                 | 115               | 31                  | 10/21 | f   | 11/50          | Tr   | TJR     |
| 776          |                  | 215         | 226                        | 411                            | 450                      | 240                         | 219  | 186                    | 241                   | 116                 | 122               |                     | 10/21 | m   | 11/50          | Tr   | FCC     |
| 778          |                  | 216         | 233                        | 410                            | 455                      | 249                         | 224  | 193                    | 226                   | 119                 | 118               | 31                  | 9/21  | m   | 11/50          | Tr   | TJR     |
| 793          |                  | 222         | 237                        | 416                            | 458                      | 255                         | 216  | 185                    | 232                   | 127                 | 127               | 32                  | 11/21 | m   | 11/50          | Tr   | TJR     |



Table 5. Yellowfin from the Central Equatorial Pacific:  
Western Line Islands (Continued)

| Total Length | Weight           | Head Length | Growth to 1st Dorsal | Growth to 1st, 2nd Dorsal | Growth to 1st, Anal | Growth to 1st, Ventral | Inst. Ventral to Anal, 1st Vent. | Greatest Body Depth | Length Posterior | Height 2nd Dorsal | Height anal | Diameter Iris | No Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|------------------|-------------|----------------------|---------------------------|---------------------|------------------------|----------------------------------|---------------------|------------------|-------------------|-------------|---------------|----------------|-----|----------------|------|----------|
| 802          | 19 $\frac{1}{2}$ | 223         | 240                  | 422                       | 467                 | 246                    | 226                              | 199                 | 225              | 113               | 124         | 37            |                | m   | 2/51           | Tr   | JER      |
| 808          |                  | 221         | 234                  | 428                       | 464                 | 252                    | 225                              | 192                 | 234              | 129               | 137         | 33            | 9/20           | f   | 11/50          | Tr   | TJR      |
| 808          |                  | 229         | 238                  | 427                       | 469                 | 263                    | 220                              | 201                 | 242              | 123               | 130         | 31            | 10/21          | m   | 11/50          | Tr   | TJR      |
| 812          | 19 $\frac{1}{2}$ | 226         | 248                  | 431                       | 471                 | 252                    | 223                              | 120                 | 207              | 100               | 107         | 35            |                | f   | 2/51           | Tr   | JER      |
| 812          | 23               | 236         | 246                  | 425                       | 469                 | 261                    | 212                              | 199                 | 240              | 122               | 122         | 35            | 10/22          | m   | 9/50           | Tr   | JER      |
| 813          |                  | 229         | 248                  | 425                       | 477                 | 256                    | 239                              | 200                 | 232              | 110               | 112         | 31            | 9/20           | m   | 11/50          | Tr   | TJR      |
| 815          |                  | 232         | 250                  | 423                       | 475                 | 262                    | 229                              | 192                 | 225              | 121               | 129         | 30            | 10/22          | f   | 11/50          | Tr   |          |
| 821          |                  | 233         | 251                  | 433                       | 480                 | 259                    | 235                              | 202                 | 233              | 123               | 130         | 33            | 9/21           | f   | 10/50          | Tr   | JWR      |
| 827          | 21               | 224         | 245                  | 426                       | 471                 | 247                    | 231                              | 203                 | 261              | 132               | 159         | 34            |                | m   | 2/51           | Tr   | JER      |
| 830          |                  | 229         | 246                  | 425                       | 478                 | 261                    | 228                              | 205                 | 259              | 140               | 165         | 32            | 10/21          | m   | 11/50          | Tr   | TJR      |
| 832          | 22               | 228         | 244                  | 437                       | 493                 | 245                    | 247                              | 194                 | 256              | 134               | 150         |               |                | f   | 2/51           | Tr   | JEK      |
| 839          |                  | 240         | 253                  | 435                       | 486                 | 270                    | 236                              | 200                 | 235              | 138               | 143         | 35            | 10/22          | m   | 8/50           | Pl   | KY       |
| 846          | 22 $\frac{1}{2}$ | 230         | 250                  | 440                       | 489                 | 253                    | 242                              | 209                 | 253              | 151               | 152         | 35            |                | f   | 2/51           | Tr   | JER      |
| 847          |                  | 238         | 262                  | 445                       | 487                 | 268                    | 239                              | 196                 | 253              | 128               | 137         | 34            | 10/21          | m   | 8/50           | Pl   | KY       |
| 852          |                  | 241         | 260                  | 446                       | 493                 | 274                    | 233                              | 209                 | 252              | 133               | 137         | 31            | 11/20          | f   | 11/50          | Tr   | TJR      |
| 856          | 23               | 242         | 259                  | 449                       | 495                 | 269                    | 229                              | 207                 | 259              | 129               | 158         | 37            |                | f   | 2/51           |      | JER      |
| 859          |                  | 235         | 250                  | 453                       | 450                 | 275                    | 235                              | 218                 | 270              | 142               | 166         | 34            | 9/20           |     | 9/50           | Tr   | JER      |
| 868          |                  | 238         | 266                  | 450                       | 498                 | 269                    | 245                              | 197                 | 256              | 144               | 145         | 33            | 10/21          | f   | 8/50           | Pl   | KY       |
| 871          |                  | 239         | 254                  | 447                       | 500                 | 273                    | 238                              | 213                 | 238              | 160               | 155         | 32            | 11/21          | m   | 11/50          | Tr   | JWR      |
| 872          |                  | 242         | 259                  | 454                       | 503                 | 272                    | 247                              | 219                 | 240              | 139               | 136         | 33            | 10/22          | f   | 11/50          | Tr   | TJR      |
| 873          |                  | 242         | 268                  | 463                       | 507                 | 265                    | 247                              | 217                 | 262              | 140               | 142         | 35            | 10/22          | f   | 2/53           | Pl   | JEK      |
| 874          |                  | 255         | 258                  | 463                       | 506                 | 286                    | 234                              | 222                 | 253              | 155               | 176         | 38            | 8/20           | m   | 11/50          | Tr   | TJR      |
| 879          |                  | 245         | 267                  | 467                       | 507                 |                        | 247                              | 211                 | 260              | 137               | 148         | 34            | 10/21          | m   | 2/53           | Pl   | JEK      |
| 881          |                  | 243         | 264                  | 453                       | 504                 | 277                    | 236                              | 209                 | 265              | 151               | 160         | 34            | 10/21          | m   | 11/50          | Tr   | JWR      |
| 882          | 24               | 247         | 261                  | 464                       | 505                 | 275                    | 235                              | 216                 | 253              | 149               | 156         | 35            |                |     | 2/51           | Tr   | JER      |
| 891          | 15               | 247         | 265                  | 469                       | 511                 | 279                    | 239                              | 219                 | 257              | 144               | 138         | 37            |                |     | 2/51           | Tr   | JER      |
| 893          |                  | 244         | 273                  | 471                       | 510                 | 273                    | 255                              | 233                 | 248              | 141               | 146         | 34            | 9/20           | f   | 8/50           | Pl   | KY       |
| 898          | 26 $\frac{1}{2}$ | 252         | 271                  | 475                       | 513                 | 279                    | 243                              | 222                 | 259              | 161               | 159         | 36            |                | f   | 2/51           | Tr   | JER      |
| 908          | 27 $\frac{1}{2}$ | 257         | 266                  | 480                       | 519                 | 271                    | 246                              | 225                 | 272              | 196               | 224         | 38            |                | m   | 2/51           | Tr   | JER      |
| 909          | 29               | 241         | 267                  | 474                       | 519                 | 270                    | 251                              | 228                 | 289              | 196               | 239         | 36            |                | f   | 2/51           | Tr   | JER      |

Table 5. Yellowfin from the Central Equatorial Pacific:  
Western Line Islands (Continued)

| Total Length | Weight | Head Length | Snout to In-<br>terdorsal | Snout to In-<br>terdorsal | Snout to In-<br>terdorsal | Snout to In-<br>terdorsal | Ins. Ventrals to<br>Ant. Eye Vert. | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examined |
|--------------|--------|-------------|---------------------------|---------------------------|---------------------------|---------------------------|------------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 912          | 32     | 260         | 276                       | 472                       | 536                       | 297                       | 257                                | 230                    | 247             | 169               | 159         | 34            | 10/20           | m   | 10/50          | Tr   | JWR      |
| 919          |        | 251         | 274                       | 470                       | 524                       | 276                       | 259                                | 223                    | 263             | 157               | 162         | 38            | 10/20           | f   | 9/50           | Tr   | JER      |
| 924          |        | 249         | 276                       | 484                       | 530                       | 279                       | 260                                | 228                    |                 | 147               | 145         | 34            | 9/23            |     | 9/50           | Tr   | JER      |
| 930          |        | 254         | 280                       | 480                       | 536                       | 284                       | 261                                | 229                    | 269             | 154               | 164         | 34            | 9/22            | f   | 11/50          | Tr   |          |
| 934          |        | 250         | 266                       | 469                       | 529                       |                           | 259                                |                        | 273             | 186               | 193         | 38            | 10/20           | m   | 9/50           | Tr   | JER      |
| 943          |        | 259         | 288                       | 490                       | 543                       | 295                       | 272                                | 231                    | 276             | 160               | 174         | 35            | 9/21            | f   | 8/50           | Pl   | KY       |
| 949          |        | 256         | 273                       | 492                       | 542                       | 290                       | 269                                | 221                    | 277             | 156               | 199         | 34            | 11/22           | f   | 10/50          | Tr   | JWR      |
| 959          |        | 274         | 290                       | 506                       | 557                       | 290                       | 269                                | 244                    | 279             | 165               | 177         | 36            | 10/21           | m   | 11/50          | Tr   | TJR      |
| 961          |        | 265         | 284                       | 501                       | 558                       | 300                       | 269                                | 239                    | 274             | 187               | 224         | 35            | 10/20           | f   | 11/50          | Tr   | TJR      |
| 967          |        | 255         | 275                       | 489                       | 541                       | 283                       | 271                                | 225                    | 299             | 202               | 219         | 35            | 10/20           | m   | 11/50          | Tr   | JWR      |
| 975          | 35     | 268         | 282                       | 503                       | 564                       | 297                       | 274                                | 238                    | 289             | 164               | 172         | 34            | 10/21           | m   | 11/50          | Tr   | TJR      |
| 975          |        | 267         | 283                       | 504                       | 549                       | 289                       | 267                                | 242                    | 259             | 180               | 181         |               |                 | f   | 2/51           | Tr   | JER      |
| 978          |        |             | 276                       | 501                       | 553                       | 291                       | 270                                | 235                    | 275             | 205               | 209         | 37            |                 | f   | 2/51           |      | JER      |
| 985          |        | 275         | 292                       | 509                       | 567                       | 306                       | 276                                | 244                    | 287             | 189               | 204         | 36            | 9/20            | m   | 11/50          | Tr   | TJR      |
| 988          |        | 269         | 296                       | 519                       | 571                       | 299                       | 280                                | 246                    | 285             | 169               | 182         | 38            |                 | m   | 2/51           | Tr   | JER      |
| 989          | 35     | 265         | 282                       | 507                       | 566                       | 301                       | 280                                | 240                    | 295             | 220               | 243         | 33            | 11/23           | m   | 11/50          | Tr   | TJR      |
| 989          |        | 275         | 273                       | 503                       | 573                       | 311                       | 273                                | 234                    | 260             | 179               | 175         | 34            | 10/20           | f   | 11/50          | Tr   | TJR      |
| 990          |        | 278         | 296                       | 518                       | 576                       | 299                       | 283                                | 246                    | 269             | 151               | 161         | 34            | 11/21           | f   | 11/50          | Tr   | TJR      |
| 991          |        | 264         | 293                       | 521                       | 553                       | 295                       | 270                                | 253                    | 274             |                   | 207         | 33            |                 | m   | 2/51           |      | JER      |
| 992          |        | 271         | 293                       | 551                       | 568                       | 304                       | 275                                | 239                    | 307             | 193               | 208         | 35            | 11/21           | f   | 11/50          | Tr   | JWR      |
| 998          |        | 270         | 286                       | 505                       | 507                       | 302                       | 266                                | 240                    | 300             | 216               | 219         | 39            | 10/22           | m   | 11/50          | Tr   | TJR      |
| 1001         |        | 265         | 292                       | 522                       | 573                       | 301                       | 286                                | 244                    | 302             | 197               | 227         | 35            | 8/21            | m   | 11/50          | Tr   | TJR      |
| 1006         |        | 266         | 296                       | 515                       | 573                       | 295                       | 284                                | 245                    | 279             | 174               | 194         | 35            |                 |     | 9/50           | Tr   | JER      |
| 1009         |        | 277         | 305                       | 531                       | 581                       | 306                       | 278                                | 247                    | 279             | 180               | 187         |               | 10/21           | f   | 11/50          | L1   | FCC      |
| 1009         |        | 284         | 302                       | 533                       | 590                       | 318                       | 283                                | 252                    | 287             | 182               | 193         | 35            | 10/21           | f   | 11/50          | Tr   | TJR      |
| 1025         | 40     | 273         | 289                       | 514                       | 572                       | 302                       | 291                                | 246                    | 319             | 222               | 260         | 38            | 9/20            | m   | 8/50           | Tr   | KY       |
| 1027         | 39     | 286         | 331                       | 531                       | 595                       | 329                       | 280                                | 237                    | 280             | 170               | 180         | 35            | 10/21           | m   | 11/50          | Tr   | JWR      |
| 1028         |        | 279         | 300                       | 529                       | 583                       | 310                       |                                    | 250                    | 300             | 208               | 231         | 39            | 11/21           | m   | 2/48           |      | MBS      |
| 1034         | 43     | 282         | 302                       | 527                       | 584                       | 310                       | 287                                | 242                    | 307             | 167               | 173         | 34            | 11/21           | m   | 2/53           | L1   | DC       |
| 1042         |        | 282         | 303                       | 540                       | 594                       | 317                       | 289                                | 246                    | 290             | 202               | 236         |               |                 | f   | 11/50          | L1   | FCC      |

Table 5. Yellowfin from the Central Equatorial Pacific:  
Western Line Islands (Continued)

| Total Length | Weight | Head Length | Snout to Tip of Lower Jaw | Snout to Tip of Upper Jaw | Snout to Tip of Ear | Snout to Tip of Ventrals | Tip of Ventrals to Ant. Fin Ray at Dorsal | Length Pectoral | Height and Depth | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|--------|-------------|---------------------------|---------------------------|---------------------|--------------------------|---|-----------------|------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 1043         |        | 279         | 304                       | 538                       | 591                 | 306                      | 294                                       | 254             | 308              | 209         | 218           | 35              |     | 9/50           |      | JER      |
| 1051         |        | 277         | 297                       | 525                       | 587                 | 304                      | 287                                       | 246             | 303              | 230         | 249           | 41              | f   | 9/50           | Tr   | JER      |
| 1055         |        | 279         | 299                       | 533                       | 592                 | 311                      | 293                                       | 254             | 299              | 199         | 214           | 34              | m   | 11/50          | Tr   | TJR      |
| 1066         |        | 290         | 316                       | 549                       | 601                 | 321                      | 291                                       | 260             | 306              | 306         | 337           | 40              | f   | 11/50          | Tr   | TJR      |
| 1071         |        | 284         | 303                       | 535                       | 592                 | 307                      | 298                                       | 249             | 303              |             | 201           | 38              | m   | 2/53           | Pl   | JEK      |
| 1071         | 48     | 293         | 315                       | 552                       | 602                 |                          | 292                                       | 277             | 300              | 237         | 300           | 45              | m   | 2/51           | Tr   | JER      |
| 1080         |        | 293         | 314                       | 543                       | 603                 | 324                      | 292                                       | 254             | 310              | 205         | 235           | 38              | m   | 11/50          | Tr   | TJR      |
| 1087         | 48     | 283         | 312                       | 557                       | 617                 | 317                      |   | 262             | 326              | 248         | 266           | 37              | m   | 2/48           |      | MBS      |
| 1095         | 47     | 295         | 324                       | 567                       | 627                 | 336                      |   | 265             | 322              | 247         | 262           | 37              | f   | 2/48           |      | MBS      |
| 1099         |        | 307         | 324                       | 574                       | 637                 | 347                      | 293                                       | 276             | 314              | 235         | 250           | 40              | m   | 1/53           | Tr   | DC       |
| 1101         | 49     | 288         | 324                       | 566                       | 619                 | 327                      | 306                                       | 276             | 324              | 261         | 269           | 37              | f   | 2/51           | Tr   | JER      |
| 1102         |        | 279         | 306                       | 536                       | 592                 | 317                      | 289                                       | 240             | 279              | 205         | 209           | 35              | f   | 11/50          | Tr   | TJR      |
| 1103         |        | 300         | 311                       | 559                       | 623                 | 343                      | 301                                       | 261             | 329              | 326         | 343           | 38              | f   | 11/50          | Tr   | TJR      |
| 1106         | 50     | 295         | 325                       | 569                       | 630                 | 336                      | 318                                       | 268             | 294              | 208         | 342           | 46              | f   | 8/50           | Tr   | KY       |
| 1114         |        | 300         | 316                       | 564                       | 623                 | 336                      | 310                                       | 273             | 317              | 263         | 344           | 37              | m   | 11/50          | Tr   | TJR      |
| 1117         |        | 295         | 315                       | 562                       | 622                 | 330                      | 306                                       | 264             | 331              | 253         | 291           | 37              | m   | 11/50          | Tr   | TJR      |
| 1118         | 51     | 294         | 330                       | 568                       | 629                 | 326                      | 309                                       | 276             | 311              | 225         | 246           | 39              | f   | 2/51           | Tr   | JER      |
| 1126         |        | 300         | 324                       | 569                       | 637                 | 339                      | 310                                       | 273             | 303              | 234         | 245           | 36              | m   | 11/50          | Tr   | TJR      |
| 1136         |        | 310         | 328                       | 576                       | 634                 | 348                      | 306                                       | 276             | 315              | 224         | 222           | 38              | f   | 11/50          | Tr   | TJR      |
| 1137         | 55     | 306         | 335                       | 592                       | 657                 | 338                      |   | 280             | 297              | 298         | 448           | 43              | f   | 2/48           |      | MBS      |
| 1141         |        | 299         | 326                       | 586                       | 637                 | 332                      | 320                                       | 371             | 325              | 243         | 301           | 38              | m   | 11/50          | Tr   | TJR      |
| 1146         | 60     | 299         | 326                       | 588                       | 650                 | 339                      | 317                                       | 293             | 337              | 257         | 309           | 41              | m   | 2/51           | Tr   | JER      |
| 1151         | 50     | 297         | 327                       | 583                       | 630                 | 331                      | 309                                       | 273             | 325              | 218         | 279           | 40              | m   | 2/51           |      | JER      |
| 1170         |        | 304         | 321                       | 592                       | 657                 | 339                      | 326                                       | 279             | 317              | 251         | 274           |                 | f   | 11/50          | L1   | FCC      |
| 1171         |        | 303         | 327                       | 600                       | 654                 | 339                      | 329                                       | 286             | 322              | 215         | 241           |                 | m   | 11/50          | L1   | DHB      |
| 1191         | 65     | 316         | 338                       | 597                       | 669                 | 350                      | 324                                       | 283             | 333              |             |               | 43              | f   | 1/53           | L1   | DC       |
| 1195         |        | 301         | 319                       | 591                       | 656                 | 341                      | 341                                       | 276             | 343              | 225         | 258           |                 | f   | 11/50          | L1   | FCC      |
| 1200         |        | 312         | 343                       | 599                       | 661                 | 343                      | 331                                       | 280             | 313              | 245         | 268           | 36              | f   | 11/50          | Tr   |          |
| 1202         |        | 302         | 326                       | 592                       | 675                 | 343                      | 345                                       | 279             | 340              | 275         | 304           |                 | f   | 11/50          | L1   | FCC      |
| 1207         |        | 301         | 339                       | 615                       | 677                 | 343                      | 343                                       | 296             | 320              | 253         | 261           |                 | m   | 11/50          | L1   | FCC      |

Table 5. Yellowfin from the Central Equatorial Pacific:  
Western Line Islands (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventrals to<br>Ant. Edge Vent. | Greatest Body<br>Depth | Length P. Total | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examined |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|-------------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 1216         |        | 319         | 335                         | 613                         | 688                   | 368                      | 341                                 | 300                    | 324             | 320               | 299         |               |                 | f   | 11/50          | L1   | DHB      |
| 1231         |        | 314         | 331                         | 613                         | 683                   | 358                      | 340                                 | 291                    | 319             | 250               | 265         |               |                 | m   | 11/50          | L1   | FCC      |
| 1248         |        | 318         | 339                         | 631                         | 697                   | 376                      | 336                                 | 307                    | 341             | 331               | 384         |               |                 | m   | 11/50          | L1   | FCC      |
| 1262         |        | 330         | 349                         | 633                         | 696                   | 368                      | 351                                 | 319                    | 338             | 353               | 425         | 43            | 10/20           | f   | 11/50          | Tr   | TJR      |
| 1272         |        | 326         | 343                         | 626                         | 703                   | 365                      | 350                                 | 295                    | 385             | 343               | 354         |               |                 | m   | 11/50          | L1   | DHB      |
| 1275         |        | 315         | 340                         | 638                         | 719                   | 374                      | 356                                 | 303                    | 364             | 285               | 217         |               |                 | f   | 11/50          | L1   | FCC      |
| 1294         |        | 333         | 357                         | 638                         | 716                   | 364                      | 360                                 | 323                    | 363             | 307               | 337         | 41            | 10/20           | m   | 11/50          | Tr   | TJR      |
| 1295         | 85     | 337         | 380                         | 670                         | 734                   | 377                      |                                     | 329                    | 339             | 460               | 531         | 45            | 10/22           | f   | 2/48           |      | MBS      |
| 1300         | 94     | 329         | 353                         | 650                         | 720                   | 374                      | 380                                 | 320                    | 352             | 334               | 368         | 38            | 9/19            | m   | 1/53           | L1   |          |
| 1302         |        | 323         | 355                         | 653                         | 714                   | 363                      | 356                                 | 311                    | 352             | 374               | 418         |               |                 | f   | 11/50          | L1   | DHB      |
| 1303         |        | 333         | 361                         | 646                         | 719                   | 376                      | 360                                 | 314                    | 354             | 419               | 449         | 40            | 8/21            | m   | 11/50          | Tr   | JWR      |
| 1311         |        | 339         | 362                         | 668                         | 742                   | 379                      | 374                                 | 318                    | 345             | 326               | 346         |               | 10/22           | m   | 11/50          | L1   | FCC      |
| 1313         | 96     | 332         | 362                         | 666                         | 735                   | 375                      | 362                                 | 320                    | 355             | 319               | 498         | 40            | 10/21           | m   | 1/53           | L1   | DC       |
| 1315         | 95     | 346         | 365                         | 664                         | 748                   | 391                      | 376                                 | 341                    | 346             | 364               | 390         | 42            | 9/20            | m   | 9/50           | Tr   | JER      |
| 1316         | 84     | 326         | 350                         | 651                         | 718                   | 369                      | 362                                 | 323                    | 369             | 319               | 375         | 43            |                 | m   | 2/51           | Tr   | JER      |
| 1318         | 95     | 346         | 379                         | 680                         | 742                   | 371                      | 394                                 | 310                    | 347             | 294               | 466         | 43            | 10/20           | m   | 1/53           | L1   | DC       |
| 1327         |        | 341         | 372                         | 676                         | 751                   | 391                      | 377                                 | 345                    | 349             | 293               | 363         |               |                 | f   | 11/50          | L1   | FCC      |
| 1330         | 85     | 350         | 366                         | 670                         | 760                   | 386                      | 347                                 | 305                    | 365             | 530               |             | 45            | 9/21            | f   | 1/53           |      |          |
| 1332         |        | 334         | 364                         | 672                         | 736                   | 378                      | 369                                 | 326                    | 343             | 307               | 421         |               |                 | f   | 11/50          | L1   | FCC      |
| 1335         | 102    | 330         | 363                         | 667                         | 750                   | 380                      | 370                                 | 321                    | 356             | 339               | 404         | 41            | 9/20            | m   | 1/53           | L1   | DC       |
| 1342         |        | 333         | 357                         | 676                         | 747                   | 381                      | 385                                 | 325                    | 375             | 514               | 539         |               |                 | f   | 11/50          | L1   | FCC      |
| 1350         |        | 342         | 370                         | 691                         | 750                   | 379                      | 364                                 | 333                    | 348             | 440               | 479         | 42            | 10/22           | f   | 1/53           | L1   | DC       |
| 1353         |        | 343         | 371                         | 679                         | 748                   | 388                      | 373                                 | 323                    | 353             | 396               | 441         |               |                 | f   | 11/50          | L1   | FCC      |
| 1354         | 140    | 374         | 395                         | 760                         | 835                   | 413                      | 424                                 | 364                    | 362             | 465               | 572         | 41            | 11/22           | m   | 1/53           | L1   | DC       |
| 1357         |        | 342         | 367                         | 679                         | 745                   | 389                      | 360                                 | 323                    | 368             | 393               | 432         |               |                 | m   | 11/50          | L1   | DHB      |
| 1362         |        | 353         | 367                         | 675                         | 761                   | 401                      | 375                                 | 322                    | 364             | 317               | 406         |               |                 | f   | 11/50          | L1   | DHB      |
| 1374         |        | 348         | 375                         | 689                         | 762                   | 397                      | 378                                 | 337                    | 362             | 424               | 452         |               |                 | m   | 11/50          | L1   | FCC      |
| 1375         |        | 347         | 372                         | 686                         | 757                   | 392                      | 372                                 | 347                    | 348             | 445               | 420         |               |                 | m   | 11/50          | L1   | FCC      |
| 1387         |        | 350         | 389                         | 701                         | 773                   | 396                      | 391                                 | 351                    | 358             | 427               | 482         |               |                 | m   | 11/50          | L1   | FCC      |
| 1395         | 107    | 348         | 382                         | 705                         | 775                   | 384                      | 406                                 | 337                    | 372             | 405               | 468         | 41            | 9/21            | m   | 2/53           | L1   | DC       |

Table 5. Yellowfin from the Central Equatorial Pacific:  
Western Line Islands (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to IP.<br>2nd Dorsal | Snout to P.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventrals to<br>Ant. Edge Ventrals | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|--------|-------------|-----------------------------|----------------------------|---------------------|--------------------------|--|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 1403         |        | 353         | 389                         | 704                        | 782                 | 395                      | 399                                    | 361                    | 364             | 423               | 463         |               |                 | m   | 11/50          | L1   | FCC      |
| 1410         |        | 374         | 397                         | 706                        | 789                 | 433                      | 378                                    | 369                    | 356             | 418               | 521         | 43            | 10/22           | m   | 11/50          | Tr   | TJR      |
| 1414         |        | 355         | 395                         | 709                        | 791                 | 403                      | 409                                    | 371                    | 373             | 559               | 645         |               |                 | m   | 11/50          | L1   | FCC      |
| 1426         |        | 366         | 337                         | 717                        | 799                 | 413                      | 412                                    | 355                    | 360             | 445               | 495         |               |                 | m   | 11/50          | L1   | DHB      |
| 1431         |        | 355         | 372                         | 712                        | 787                 | 412                      | 390                                    | 353                    | 367             | 416               | 456         |               |                 | f   | 11/50          | L1   | FCC      |
| 1435         | 134    | 367         | 394                         |                            | 804                 | 430                      | 411                                    | 366                    | 378             | 520               | 582         | 44            | 10/21           | f   | 1/53           | L1   | DC       |
| 1440         |        | 364         | 393                         | 722                        | 800                 | 414                      | 396                                    | 371                    | 390             | 469               |             |               |                 | m   | 11/50          | L1   | FCC      |
| 1440         |        | 365         | 379                         | 712                        | 795                 | 415                      | 401                                    | 360                    | 364             | 512               | 564         |               |                 | m   | 11/50          | L1   | DHB      |
| 1451         |        | 367         | 384                         | 711                        | 794                 | 419                      | 394                                    | 360                    | 378             | 562               | 638         |               |                 | m   | 11/50          | L1   | FCC      |
| 1458         | 130    | 372         | 399                         | 725                        | 803                 | 410                      | 405                                    | 359                    | 391             | 587               | 691         | 43            | 9/19            | m   | 1/53           | L1   | DC       |
| 1463         |        | 358         | 389                         | 724                        | 798                 | 410                      | 397                                    | 349                    | 362             | 553               | 587         |               |                 | f   | 11/50          | L1   | FCC      |
| 1463         |        | 368         | 399                         | 728                        | 806                 | 414                      | 418                                    | 365                    | 370             | 563               | 588         |               |                 | m   | 11/50          | L1   | DHB      |
| 1465         | 140    | 379         | 396                         | 731                        | 799                 | 429                      | 400                                    | 400                    | 377             | 525               | 519         | 43            | 8/20            | m   | 4/51           | Tr   | JWR      |
| 1472         |        | 370         |                             | 718                        | 806                 | 420                      | 398                                    | 360                    | 384             | 558               | 685         |               |                 | m   | 11/50          | L1   | FCC      |
| 1474         |        | 383         | 401                         | 739                        | 815                 | 426                      | 411                                    | 391                    | 370             | 506               | 535         |               |                 | m   | 11/50          | L1   | FCC      |
| 1477         |        | 373         | 390                         | 734                        | 825                 | 431                      | 422                                    | 364                    | 380             | 663               | 741         |               |                 | f   | 11/50          | L1   | DHB      |
| 1497         |        | 386         | 404                         | 749                        | 836                 | 432                      | 409                                    | 380                    | 378             | 670               | 666         | 43            | 9/21            | m   | 1/53           | Tr   | DC       |
| 1505         |        | 375         | 396                         | 733                        | 818                 | 435                      | 403                                    | 362                    | 363             | 562               | 662         |               |                 | m   | 11/50          | L1   | FCC      |
| 1505         | 140    | 373         | 414                         | 766                        | 843                 | 421                      | 433                                    | 369                    | 382             | 450               | 556         | 46            | 10/20           | m   | 1/53           | L1   | DC       |
| 1519         | 151    | 370         | 402                         | 746                        | 821                 | 420                      | 412                                    | 380                    | 373             | 541               | 549         | 46            | 10/20           | m   | 1/53           | L1   | DC       |
| 1522         | 139    | 383         | 384                         | 741                        | 834                 | 434                      | 419                                    | 370                    | 399             | 432               | 469         | 43            | 10/21           | m   | 1/53           | L1   | DC       |
| 1522         | 150    | 396         | 422                         | 776                        | 833                 | 433                      | 421                                    | 392                    | 388             | 469               | 600         | 44            | 11/20           | m   | 1/53           | L1   | DC       |
| 1571         | 165    | 399         | 432                         | 787                        | 868                 | 449                      | 440                                    | 402                    | 404             | 504               | 611         | 46            | 10/21           | m   | 1/53           | L1   | DC       |
| 1584         |        | 391         | 430                         | 782                        | 862                 | 439                      | 436                                    | 410                    | 395             | 599               | 688         | 46            |                 | m   | 5/51           | P1   | WIC      |
| 1617         | 172    | 399         | 439                         | 797                        | 886                 | 448                      | 447                                    | 403                    | 390             | 577               |             | 46            | 9/20            | m   | 1/53           | L1   | DC       |

Table 6. Yellowfin from the Central Equatorial Pacific:  
Phoenix Islands

| Total Length | Weight           | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventrals to<br>Ant. Edge Vent. | Greatest Body<br>Depth | Length Pectoral | Height 1st Dorsal | Height Anal | Diameter Irid | No. Gill Rakers | Sex | Month and Year | Gen* | Remarks |
|--------------|------------------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|-------------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|---------|
| 530          | 6                | 155         | 175                         | 289                         | 326                   | 178                      | 151                                 | 135                    | 147             | 61                | 56          | 26            | 9/21            |     | 2/50           | Tr   | MBS     |
| 556          | 6 $\frac{1}{2}$  | 157         | 172                         | 302                         | 333                   | 176                      | 160                                 | 137                    | 155             | 65                | 62          | 26            | 10/21           |     | 2/50           | Tr   | MBS     |
| 573          | 7 $\frac{1}{2}$  | 177         |                             | 342                         |                       |                          | 159                                 | 147                    | 165             | 66                | 63          | 27            |                 | m   | 1/51           | Tr   | JER     |
| 595          | 9                | 173         | 192                         | 325                         | 348                   | 194                      | 172                                 | 151                    | 192             | 82                | 83          | 30            | 10/21           |     | 8/50           | Pl   | KY      |
| 601          | 9                | 175         | 190                         | 325                         | 359                   | 195                      | 175                                 | 153                    | 185             | 87                | 84          | 30            | 9/21            | f   | 8/50           | Pl   | KY      |
| 610          | 8 $\frac{1}{2}$  | 178         | 192                         | 325                         | 362                   | 200                      | 184                                 | 150                    | 186             | 84                | 84          | 31            | 10/21           |     | 8/50           | Pl   | KY      |
| 615          | 8 $\frac{1}{2}$  | 193         |                             | 360                         | 357                   | 205                      | 171                                 | 147                    | 189             | 83                | 86          | 29            | 10/20           | f   | 8/50           | Pl   | KY      |
| 627          | 9                | 182         | 196                         | 334                         | 374                   | 266                      | 181                                 | 152                    | 203             | 97                | 96          | 30            | 10/22           |     | 8/50           | Pl   | KY      |
| 641          | 11               | 180         | 205                         | 343                         | 377                   | 203                      | 187                                 | 155                    | 191             | 96                | 95          | 28            | 9/22            | f   | 8/50           | Pl   | KY      |
| 642          | 10 $\frac{1}{2}$ | 186         | 202                         | 347                         | 378                   | 208                      | 188                                 | 159                    | 197             | 93                | 89          | 30            | 11/21           | f   | 8/50           | Pl   | KY      |
| 644          | 11 $\frac{1}{2}$ | 185         | 200                         | 352                         | 381                   | 209                      | 179                                 | 162                    | 195             | 101               | 94          | 33            |                 | f   | 1/51           | Tr   | JER     |
| 646          | 14               | 188         | 205                         | 356                         | 391                   | 207                      | 182                                 | 167                    | 195             | 89                | 81          | 29            | 9/21            | f   | 11/52          | L1   | TO      |
| 648          | 11 $\frac{1}{2}$ | 187         | 200                         | 346                         | 386                   | 216                      | 179                                 | 167                    | 201             | 97                | 91          | 32            |                 | f   | 1/51           | Tr   | JER     |
| 648          | 11 $\frac{1}{2}$ | 188         | 196                         | 351                         | 387                   | 212                      | 180                                 | 162                    | 202             | 89                | 86          | 32            |                 |     | 1/51           | Tr   | ELN     |
| 652          | 12               | 186         | 198                         | 351                         | 381                   | 203                      | 185                                 | 161                    | 199             | 92                | 93          | 33            | 8/20            | f   | 8/50           | Tr   | JER     |
| 653          | 12               | 184         | 202                         | 356                         | 389                   | 203                      | 189                                 | 166                    | 194             | 83                | 84          | 30            | 9/20            | f   | 8/50           | Tr   | JER     |
| 656          | 11 $\frac{1}{2}$ | 187         | 205                         | 349                         | 386                   | 216                      | 189                                 | 162                    | 191             | 95                | 92          | 29            | 10/21           | f   | 8/50           | Pl   | KY      |
| 662          | 12 $\frac{1}{2}$ | 193         | 210                         | 356                         | 396                   | 215                      | 186                                 | 173                    | 203             | 99                | 97          | 32            |                 | f   | 1/51           | Tr   | ELN     |
| 664          | 12               | 184         | 203                         | 358                         | 396                   | 208                      | 198                                 | 165                    | 199             |                   | 94          | 30            | 10/21           | f   | 8/50           | Tr   | KY      |
| 667          | 10 $\frac{1}{2}$ | 188         | 199                         | 351                         | 387                   | 219                      | 178                                 | 169                    | 198             | 93                | 90          | 33            |                 | m   | 1/51           | Tr   | JER     |
| 679          | 12               | 192         | 209                         | 360                         | 401                   | 221                      | 183                                 | 169                    | 195             | 87                | 87          | 31            |                 | f   | 2/51           | Tr   | JER     |
| 680          | 12               | 191         | 209                         | 364                         | 400                   | 219                      | 184                                 | 165                    | 208             | 106               | 104         | 34            |                 | m   | 1/51           | Tr   | JER     |
| 713          | 16               | 199         | 213                         | 378                         | 414                   | 223                      | 191                                 | 173                    | 221             | 103               | 113         | 31            | 11/22           | m   | 8/50           | Tr   | JER     |
| 716          | 16               | 206         | 221                         | 382                         | 419                   | 229                      | 196                                 | 179                    | 224             | 112               | 121         | 35            | 9/22            | f   | 8/50           | Tr   | JER     |
| 728          | 15               | 206         | 223                         | 393                         | 437                   | 226                      | 206                                 | 176                    | 216             | 108               | 106         | 32            | 11/22           | f   | 8/50           | Tr   |         |
| 728          | 16               | 209         | 224                         | 393                         | 433                   | 233                      | 203                                 | 189                    | 217             | 107               | 115         | 32            |                 |     | 2/51           | Tr   | JER     |
| 743          | 17               | 206         | 228                         | 403                         | 439                   | 232                      | 210                                 | 183                    | 226             | 120               | 118         | 34            |                 | m   | 2/51           | Tr   | JER     |
| 753          | 16               | 205         | 231                         | 394                         | 426                   | 217                      | 218                                 |                        | 229             | 111               | 115         | 31            | 11/20           | m   | 2/50           | Tr   |         |
| 753          | 18               | 221         | 240                         | 404                         | 436                   | 230                      | 209                                 | 189                    | 204             | 115               | 109         | 40            | 10/22           | f   | 8/50           | Tr   | JER     |
| 755          | 18               | 215         | 234                         | 402                         | 443                   | 234                      | 212                                 | 189                    | 224             | 121               | 131         | 33            | 9/21            | m   | 8/50           | Tr   | JER     |

Table 6. Yellowfin from the Central Equatorial Pacific:  
Phoenix Islands (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventrals to<br>Ant. Edge Vent | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|------------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 756          | 18     | 215         | 240                         | 407                         | 444                   | 239                      | 213                                | 189                    | 212             | 112               | 116         | 33            |                 | f   | 1/51           | Tr   | JER      |
| 768          | 15     | 218         | 241                         | 407                         | 448                   | 244                      | 216                                | 184                    | 236             | 125               | 124         | 34            | 9/20            | f   | 8/50           | Tr   | KY       |
| 776          | 19     | 217         | 238                         | 418                         | 460                   | 248                      | 219                                | 193                    | 219             | 115               | 111         | 31            |                 | m   | 2/51           | Tr   | JER      |
| 778          | 16     | 216         | 240                         | 409                         | 447                   | 240                      | 222                                | 190                    | 250             | 158               | 162         | 33            | 9/21            |     | 8/50           | Pl   | KY       |
| 779          | 18     | 214         | 236                         | 412                         | 438                   | 234                      | 215                                | 180                    | 243             | 129               | 135         | 33            | 11/22           | f   | 2/50           | Tr   |          |
| 791          | 18     | 216         | 242                         | 403                         | 451                   | 239                      | 209                                | 189                    | 229             | 125               | 130         | 32            | 10/21           | m   | 2/50           | Tr   |          |
| 800          | 22     | 229         | 231                         | 426                         | 493                   | 281                      | 217                                | 209                    | 255             | 139               | 140         | 33            | 8/20            | m   | 8/50           | Tr   | WIC      |
| 815          | 21     | 219         | 239                         | 424                         | 472                   | 247                      | 230                                | 202                    | 249             | 132               | 140         | 33            |                 | m   | 1/51           | Tr   | JER      |
| 823          | 23     | 243         | 258                         | 453                         | 495                   | 266                      | 234                                | 210                    | 259             | 178               | 198         | 38            | 9/20            | f   | 8/50           | Tr   | JER      |
| 829          | 24     | 226         | 244                         | 439                         | 471                   | 248                      | 233                                | 206                    | 234             | 129               | 139         | 36            | 10/21           | f   | 8/50           | Tr   | JER      |
| 834          | 24     | 231         | 249                         | 442                         | 483                   | 257                      | 233                                | 199                    | 279             | 159               | 159         | 37            | 11/21           | f   | 8/50           | Tr   | JER      |
| 844          | 25     | 241         | 254                         | 444                         | 483                   | 259                      | 227                                | 200                    | 274             |                   | 188         | 41            | 11/19           | m   | 8/50           | Tr   | JER      |
| 845          | 25     | 229         | 249                         | 438                         | 485                   |                          | 239                                | 207                    | 259             | 145               | 150         | 37            | 8/19            | m   | 8/50           | Tr   | JER      |
| 854          | 21     | 237         | 264                         | 454                         | 493                   | 266                      | 241                                | 197                    | 260             | 142               | 141         | 36            | 9/21            | f   | 8/50           | Tr   | KY       |
| 861          | 26     | 244         | 257                         | 456                         | 498                   | 274                      | 235                                | 212                    | 258             | 199               | 190         | 36            | 9/20            | m   | 8/50           | Tr   |          |
| 864          | 24     | 237         | 258                         | 455                         | 486                   | 264                      | 230                                | 212                    | 270             | 158               | 179         | 37            |                 | f   | 1/51           | Tr   | JER      |
| 867          | 22     | 244         | 271                         | 455                         | 496                   | 275                      | 241                                | 212                    | 249             | 139               | 147         | 37            | 9/22            | f   | 8/50           | Tr   | KY       |
| 867          | 27     | 243         | 262                         | 456                         | 504                   | 266                      | 239                                | 223                    | 252             | 146               | 155         | 36            | 9/21            | m   | 8/50           | Tr   | JER      |
| 879          | 28     | 243         | 264                         | 459                         | 498                   | 261                      | 241                                | 209                    | 266             | 155               | 164         | 36            | 9/20            | f   | 8/50           | Tr   |          |
| 880          | 28     | 240         | 263                         | 460                         | 502                   | 260                      | 247                                | 214                    | 259             | 155               | 168         | 36            | 9/19            | f   | 8/50           | Tr   | JER      |
| 881          | 28     | 237         | 260                         | 453                         | 494                   | 261                      | 245                                | 214                    | 281             | 190               | 207         | 37            | 10/19           | m   | 8/50           | Tr   | JER      |
| 889          | 29     | 242         | 265                         | 459                         | 505                   | 270                      | 249                                | 221                    | 253             | 147               | 171         | 39            | 12/22           |     | 8/50           | Tr   | JER      |
| 901          | 30     | 245         | 269                         | 471                         | 512                   | 269                      | 249                                | 223                    | 264             | 165               | 193         | 37            | 10/20           | f   | 8/50           | Tr   |          |
| 903          |        | 242         | 270                         | 479                         | 513                   | 271                      | 249                                | 226                    | 282             | 193               | 178         | 38            | 9/21            | m   | 6/51           | Pl   | WMM      |
| 904          | 24     | 249         | 273                         | 467                         | 541                   | 282                      | 267                                | 216                    | 279             | 166               | 200         | 39            | 9/20            |     | 8/50           | Tr   | KY       |
| 905          |        | 252         | 272                         | 475                         | 523                   | 274                      | 257                                | 222                    | 269             | 157               | 153         | 35            | 10/22           | f   | 6/51           | Pl   | FCJ      |
| 918          |        | 253         | 281                         | 492                         | 531                   | 283                      | 254                                | 232                    | 265             | 160               | 163         | 34            | 10/20           | f   | 6/51           | Pl   | WMM      |
| 922          | 32     | 252         | 272                         | 470                         | 514                   | 276                      | 247                                | 234                    | 290             | 200               | 256         | 37            | 10/21           | m   | 8/50           |      | JER      |
| 926          |        | 249         | 274                         | 479                         | 529                   | 283                      | 256                                | 225                    | 283             | 175               | 168         | 34            | 10/22           | f   | 6/51           | Pl   | FCJ      |
| 927          | 34     | 252         | 265                         | 400                         | 534                   | 296                      | 245                                | 226                    | 283             | 136               | 177         | 34            | 7/20            | m   | 7/50           | Tr   | WIC      |

Table 6. Yellowfin from the Central Equatorial Pacific:  
Phoenix Islands (Continued)

| Total Length | Weight           | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventrals to<br>4th Edge Vent | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examination |
|--------------|------------------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|-----------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|-------------|
| 930          | 32               | 264         | 283                         | 497                         | 548                   | 296                      | 261                               | 239                    | 277             | 156               | 177         | 39            |                 | f   | 1/51           | Tr   | JER         |
| 939          | 30 $\frac{1}{2}$ | 266         | 286                         | 492                         | 540                   | 292                      | 254                               | 231                    | 283             | 168               | 218         | 39            |                 | f   | 1/51           | Tr   | JER         |
| 941          | 30               | 252         | 276                         | 485                         | 538                   | 283                      | 259                               | 231                    | 268             | 182               | 196         | 35            |                 | f   |                | Tr   | JER         |
| 943          | 34               | 253         | 282                         | 489                         | 531                   | 276                      | 258                               | 236                    | 279             | 196               | 225         | 40            | 10/19           | f   | 8/50           | Tr   | JER         |
| 945          | 32               | 250         | 269                         | 487                         | 533                   | 271                      | 262                               | 230                    | 306             | 192               | 225         | 39            | 9/20            | f   | 8/50           | Tr   | JER         |
| 949          | 36               | 266         | 279                         | 497                         | 562                   | 321                      | 251                               | 244                    | 290             | 210               | 263         | 39            | 9/20            | m   | 8/50           | Tr   | JER         |
| 951          | 32 $\frac{1}{2}$ | 254         | 271                         | 492                         | 539                   | 286                      | 255                               | 236                    | 297             | 146               | 190         | 39            |                 | m   | 1/51           | Tr   | JER         |
| 961          | 36               | 254         | 276                         | 494                         | 532                   | 279                      | 262                               | 236                    | 277             | 169               | 205         | 39            | 10/21           | m   | 8/50           | Tr   | JER         |
| 969          | 38               | 273         | 283                         | 499                         | 549                   | 295                      | 272                               | 242                    | 284             | 176               | 187         | 40            | 9/21            |     | 8/50           | Tr   | JER         |
| 973          | 38               | 262         | 282                         | 499                         | 544                   | 286                      | 263                               | 244                    | 315             | 214               | 254         | 38            | 9/20            | m   | 8/50           | Tr   | JER         |
| 975          | 31 $\frac{1}{2}$ | 261         | 287                         | 502                         | 500                   | 296                      | 259                               | 231                    | 293             | 205               | 225         | 40            |                 | f   | 1/51           | Tr   | ELN         |
| 1009         | 37               | 267         | 287                         | 510                         | 563                   | 295                      | 272                               | 242                    | 289             | 237               | 309         | 41            |                 | m   | 1/51           | Tr   | JER         |
| 1009         | 44               | 261         | 289                         | 510                         | 559                   | 289                      | 278                               | 247                    | 307             | 213               | 237         | 40            | 9/20            | f   | 8/50           | Tr   | JER         |
| 1031         |                  | 280         | 296                         | 531                         | 589                   | 319                      | 285                               | 242                    | 297             | 182               | 203         | 37            | 11/21           | m   | 6/51           | Tr   | FCJ         |
| 1044         | 40               | 284         | 316                         | 538                         | 585                   | 310                      | 294                               | 253                    | 310             | 205               | 255         | 37            | 9/21            |     | 8/50           | Pl   | KY          |
| 1049         |                  | 279         | 301                         | 526                         | 583                   | 310                      | 293                               | 237                    | 324             | 220               | 227         | 35            | 9/19            | f   | 7/50           | Tr   | KY          |
| 1049         | 43               | 278         | 299                         | 530                         | 591                   | 317                      | 282                               | 254                    | 307             | 198               | 220         | 36            |                 | m   | 2/51           | Tr   | JER         |
| 1058         |                  | 277         | 294                         | 533                         | 592                   | 323                      | 285                               | 260                    | 345             | 229               | 261         | 34            | 10/22           | m   | 6/51           | Tr   | FCJ         |
| 1069         | 40               | 282         | 308                         | 532                         | 594                   | 323                      | 295                               | 247                    | 300             | 232               | 226         | 42            | 10/21           | f   | 8/50           | Tr   | KY          |
| 1089         | 50               | 296         | 317                         | 561                         | 622                   | 339                      | 301                               | 280                    | 307             | 206               | 284         |               |                 | f   | 2/51           | Tr   | JER         |
| 1094         |                  | 293         | 313                         | 571                         | 631                   | 334                      | 307                               | 262                    | 310             | 210               | 216         | 35            | 9/20            | m   | 6/51           | Pl   | FCJ         |
| 1105         | 52               | 288         | 311                         | 561                         | 611                   | 325                      | 293                               | 279                    | 323             | 252               | 260         | 41            |                 | m   | 1/51           | Tr   | ELN         |
| 1106         |                  | 306         | 320                         | 563                         | 635                   | 338                      | 330                               | 284                    | 310             | 258               |             | 47            | 10/20           | m   | 8/50           | Pl   | KY          |
| 1108         | 49               | 295         | 316                         | 559                         | 615                   | 326                      | 304                               | 256                    | 306             | 235               | 258         | 59            |                 | f   | 2/50           | Pl   | JWR         |
| 1109         |                  | 286         | 315                         | 556                         | 620                   | 329                      | 301                               | 268                    | 332             | 223               | 264         | 40            | 10/21           | f   | 6/51           | Pl   | FCJ         |
| 1122         |                  | 286         | 319                         | 565                         | 628                   | 329                      | 301                               | 284                    | 362             |                   | 258         | 36            | 10/20           | f   | 6/51           | Pl   | FCJ         |
| 1132         |                  | 291         | 324                         | 572                         | 624                   | 334                      | 304                               | 279                    | 333             | 262               | 268         | 36            | 11/21           |     | 6/51           | Pl   | FCJ         |
| 1145         |                  | 292         | 318                         | 570                         | 633                   | 331                      | 313                               | 278                    | 339             | 248               | 295         | 37            | 11/20           | m   | 6/51           | Pl   | FCJ         |
| 1149         |                  | 288         | 326                         | 584                         | 638                   | 329                      | 325                               | 280                    | 328             | 273               | 306         | 35            | 9/20            | m   | 6/51           | Pl   | FCJ         |
| 1155         | 51               | 300         | 326                         | 579                         | 639                   | 334                      | 307                               | 255                    | 345             | 237               | 277         | 38            | 10/20           | f   | 2/50           | Tr   | JWR         |



Table 6. Yellowfin from the Central Equatorial Pacific:  
Phoenix Islands (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventrals to<br>Abd. Edge Vent | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|------------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 1170         |        | 305         | 334                         | 597                         | 655                   | 351                      | 316                                | 298                    | 341             | 301               | 366         | 40            | 9/20            | m   | 6/51           | Pl   | FCJ      |
| 1172         |        | 295         | 326                         | 586                         | 644                   | 330                      | 325                                | 289                    | 333             | 249               | 264         | 37            | 9/21            | m   | 6/51           | Pl   | FCJ      |
| 1175         |        | 304         | 331                         | 595                         | 647                   | 347                      | 330                                | 272                    | 342             | 314               | 335         | 40            | 9/21            | m   | 7/50           | Tr   | KY       |
| 1193         |        | 312         | 348                         | 614                         | 670                   | 353                      | 331                                | 324                    | 330             | 298               | 298         | 43            | 11/21           | m   | 6/51           | Pl   | FCJ      |
| 1197         | 70     | 317         | 337                         | 599                         | 660                   | 347                      | 323                                | 304                    | 236             | 258               |             | 43            | 9/21            | f   | 8/50           | Tr   | JER      |
| 1202         | 68     | 314         | 343                         | 616                         | 679                   | 357                      | 330                                | 302                    | 348             | 309               | 359         | 40            | 9/20            | f   | 2/50           | Tr   |          |
| 1229         | 74     | 304         | 332                         | 620                         | 685                   | 338                      | 349                                | 295                    | 339             | 346               | 362         | 38            | 10/21           | f   | 11/52          | L1   |          |
| 1230         |        | 306         | 343                         | 617                         | 667                   | 349                      | 338                                | 297                    | 340             | 289               | 324         | 57            | 10/21           | f   | 6/51           | Pl   | FCJ      |
| 1236         |        | 310         | 346                         | 619                         | 681                   | 349                      | 348                                | 301                    | 332             |                   | 323         | 38            | 8/20            | m   | 6/51           | Pl   | FCJ      |
| 1243         | 78     | 310         | 350                         | 640                         | 700                   | 343                      | 361                                | 292                    | 342             | 271               | 315         | 35            | 10/21           | m   | 11/52          | L1   | TO       |
| 1248         |        | 310         | 348                         | 614                         | 681                   | 351                      | 339                                | 305                    | 342             | 252               | 390         | 35            | 10/20           | f   | 6/51           | Pl   | FCJ      |
| 1250         |        | 318         | 358                         | 624                         | 683                   | 357                      | 339                                | 302                    | 338             | 388               | 444         | 42            |                 | f   | 6/51           | Pl   | FCJ      |
| 1256         |        | 317         | 355                         | 631                         | 695                   | 356                      | 355                                | 321                    | 354             |                   | 352         | 38            | 9/20            | m   | 6/51           | Pl   | FCJ      |
| 1260         |        | 304         | 345                         | 627                         | 683                   | 345                      | 347                                | 309                    | 336             | 310               | 372         | 38            | 9/20            | m   | 6/51           | Pl   | FCJ      |
| 1280         | 85     | 323         | 339                         | 627                         | 711                   | 370                      | 343                                | 334                    | 343             | 298               | 389         | 44            | 10/21           | m   | 8/50           | Tr   | JER      |
| 1280         | 85     | 338         | 366                         | 656                         | 711                   | 371                      | 366                                | 353                    | 331             | 374               | 484         | 45            | 9/20            | m   | 8/50           | Tr   | JER      |
| 1281         | 80     | 338         | 362                         | 649                         | 712                   | 380                      | 361                                | 331                    | 359             | 431               | 478         | 44            | 9/19            | m   | 8/50           | Pl   | KY       |
| 1284         |        | 321         | 348                         | 640                         | 753                   | 366                      | 351                                | 321                    | 371             | 369               | 408         | 40            | 10/21           | m   | 6/51           | Pl   | FCJ      |
| 1288         | 85     | 322         | 346                         | 646                         | 709                   | 358                      | 358                                | 314                    | 361             | 299               | 300         | 44            | 9/21            | m   | 8/50           | Tr   | JER      |
| 1299         | 90     | 334         | 372                         | 659                         | 725                   | 369                      | 369                                | 341                    | 323             | 363               | 442         | 44            | 11/22           | m   | 8/50           | Tr   | JER      |
| 1304         | 81     | 336         | 361                         | 637                         | 707                   | 373                      | 360                                | 322                    | 336             | 342               | 423         | 42            | 8/20            | m   | 2/50           | Pl   | JWR      |
| 1318         | 99     | 330         | 367                         | 667                         | 736                   | 362                      | 363                                | 318                    | 344             | 437               | 466         | 40            | 8/19            | f   | 11/52          | L1   | TO       |
| 1319         | 86     | 335         | 364                         | 661                         | 726                   | 382                      | 358                                | 339                    | 329             | 356               | 469         | 45            |                 | m   | 1/51           | Tr   | JER      |
| 1321         | 98     | 335         | 376                         | 677                         | 741                   | 371                      | 380                                | 326                    | 331             | 410               | 474         | 41            | 10/20           | m   | 11/52          | L1   | III      |
| 1326         | 97     | 326         | 358                         | 662                         | 728                   | 361                      | 371                                | 318                    | 355             | 406               | 480         | 41            | 10/20           | m   | 11/52          | L1   | III      |
| 1344         | 95     | 345         | 365                         | 667                         | 733                   | 386                      | 380                                | 337                    | 339             | 490               | 512         |               | 9/19            | m   | 7/50           | Pl   | KY       |
| 1348         | 114    | 347         | 380                         | 692                         | 765                   | 383                      | 392                                | 361                    | 390             | 439               | 486         | 41            | 10/19           | m   | 11/52          |      |          |
| 1349         | 103    | 346         | 371                         | 688                         | 758                   | 385                      | 389                                | 322                    | 350             | 456               | 476         | 43            | 11/21           | f   | 11/52          | L1   | III      |
| 1351         | 101    | 335         | 362                         | 671                         | 734                   | 368                      | 372                                | 328                    | 391             | 313               | 445         | 41            | 9/21            | m   | 11/52          |      | TO       |
| 1355         |        | 351         | 374                         | 684                         | 749                   | 394                      | 382                                | 348                    | 374             | 485               | 509         | 46            | 9/20            | m   | 8/50           | Pl   | KY       |

Table 6. Yellowfin from the Central Equatorial Pacific:  
Phoenix Islands (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventrals to<br>Ant. Edge Vent. | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Exp. no. |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|-------------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 1357         | 109    | 330         | 362                         | 662                         | 732                   | 366                      | 370                                 | 335                    | 373             | 399               | 467         | 39            | 9/20            | m   | 11/52          | L1   | TO       |
| 1358         | 104    | 341         | 371                         | 672                         | 734                   | 386                      | 370                                 | 360                    | 332             | 452               | 510         | 45            | 9/21            | m   | 2/50           | Tr   | JWR      |
| 1361         |        | 341         | 369                         | 676                         | 745                   | 384                      | 380                                 | 333                    | 334             | 307               | 392         | 43            | 9/19            | f   | 6/51           | P1   | FCJ      |
| 1366         | 113    | 341         | 373                         | 687                         | 749                   | 381                      | 373                                 | 348                    | 349             | 410               | 490         | 40            | 9/21            | m   | 11/52          |      |          |
| 1373         | 107    | 349         | 372                         | 678                         | 768                   | 394                      | 377                                 | 329                    | 357             | 445               |             | 45            | 8/22            | m   | 7/50           | L1   | KE       |
| 1376         | 113    | 344         |                             | 692                         | 756                   | 381                      | 381                                 | 336                    | 373             |                   | 550         | 41            | 11/20           | m   | 11/52          | L1   | III      |
| 1385         | 112    | 341         | 385                         | 705                         | 758                   | 378                      | 388                                 | 334                    | 361             | 453               | 489         | 41            | 11/20           | m   | 11/52          | L1   | III      |
| 1389         | 118    | 342         | 380                         | 711                         | 778                   | 376                      | 407                                 | 355                    | 372             | 506               | 542         | 42            | 11/22           | m   | 11/52          | L1   | III      |
| 1390         | 105    | 364         | 395                         | 705                         | 772                   | 410                      | 384                                 | 379                    | 359             | 439               | 385         | 49            | 9/20            | m   | 8/50           | Tr   | JER      |
| 1390         | 116    | 347         | 382                         | 706                         | 772                   | 361                      | 399                                 | 345                    | 367             | 464               | 566         | 43            | 10/21           | f   | 11/52          | L1   | III      |
| 1391         | 116    | 346         | 390                         | 696                         | 772                   | 381                      | 399                                 | 345                    | 381             | 464               | 518         | 42            | 11/21           | m   | 11/52          | L1   | III      |
| 1401         | 113    | 345         | 370                         | 703                         | 773                   | 377                      | 394                                 | 335                    | 375             | 439               |             | 44            | 10/20           | m   | 7/50           | L1   | KE       |
| 1416         | 108    | 341         | 396                         | 710                         | 771                   | 378                      | 403                                 | 367                    | 374             | 517               | 474         | 43            | 9/20            | f   | 8/50           | Tr   | JER      |
| 1420         | 119    | 354         | 395                         | 715                         | 795                   | 390                      | 413                                 | 352                    | 357             | 544               | 597         | 44            | 10/21           | f   | 11/52          | L1   | III      |
| 1454         | 125    | 355         | 395                         | 709                         | 786                   | 397                      | 395                                 | 345                    | 380             | 410               | 497         | 42            | 10/21           | m   | 11/52          | L1   | III      |
| 1457         | 126    | 365         | 399                         | 727                         | 793                   | 401                      | 399                                 | 366                    | 361             | 610               | 694         | 46            | 9/20            | m   | 11/52          |      | TO       |
| 1468         |        | 374         | 399                         | 730                         | 798                   | 421                      | 411                                 | 372                    | 390             | 483               | 560         | 44            | 10/20           | m   | 8/50           | P1   | KY       |
| 1470         | 131    | 366         | 407                         | 739                         | 815                   | 406                      | 425                                 | 362                    | 376             | 436               | 500         | 43            | 9/20            | m   | 11/52          | L1   | TO       |
| 1502         | 135    | 374         | 403                         | 744                         | 819                   | 415                      | 418                                 | 362                    | 378             | 552               | 640         | 45            | 9/20            | m   | 11/52          | L1   | TO       |
| 1505         | 133    | 369         | 400                         | 743                         | 813                   | 410                      | 412                                 | 364                    | 388             | 611               | 673         | 46            | 9/20            | m   | 11/52          |      | TO       |
| 1681         | 187    | 400         | 426                         | 808                         | 907                   | 468                      | 467                                 | 410                    | 395             | 524               |             | 48            | 9/21            | m   | 7/50           | L1   | KE       |

Table 7. Yellowfin from the Western Equatorial Pacific:  
Eastern Marshalls

|      |    |     |     |     |     |     |     |     |     |     |     |    |       |   |      |    |     |
|------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-------|---|------|----|-----|
| 1114 |    | 282 | 311 | 572 | 623 | 309 | 310 | 263 | 325 | 234 | 328 | 37 | 9/20  | f | 2/52 | L1 | TO  |
| 1183 | 64 | 301 | 335 | 605 | 663 | 334 | 330 | 282 | 326 | 340 |     | 39 | 11/20 | m | 2/52 | L1 | GIM |
| 1222 | 67 | 306 | 329 | 610 | 665 | 334 | 332 | 295 | 356 | 347 | 406 | 40 | 8/19  | m |      | L1 | RS  |
| 1226 | 67 | 302 | 332 | 609 | 657 | 338 | 323 | 292 | 347 | 308 | 370 | 40 | 10/20 | f | 2/52 | L1 | RS  |
| 1265 | 75 | 314 | 347 | 644 | 696 | 351 | 350 | 296 | 345 | 358 | 369 | 40 | 9/21  | f |      |    | GIM |

Table 7. Yellowfin from the Western Equatorial Pacific:  
Eastern Marshalls (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventrals to<br>Ant. Edge Vent | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|------------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 1271         | 80     | 318         | 356                         | 647                         | 702                   | 350                      | 357                                | 310                    | 355             | 383               | 433         | 39            | 10/19           | m   | 2/52           | L1   | TO       |
| 1279         | 85     | 314         | 353                         | 641                         | 703                   | 352                      | 350                                | 315                    | 361             | 356               | 388         | 40            | 9/18            | m   | 2/52           | L1   |          |
| 1296         | 97     | 321         | 355                         | 650                         | 712                   | 357                      | 363                                | 327                    | 358             | 400               | 442         | 38            | 9/20            | m   | 2/52           | L1   | RS       |
| 1307         | 82     | 330         | 369                         | 651                         | 713                   | 367                      | 341                                | 309                    | 350             | 349               | 466         | 43            | 10/20           | f   | 2/52           |      | GIM      |
| 1309         | 91     | 330         | 368                         | 653                         | 715                   | 367                      | 357                                | 322                    | 377             | 360               | 428         | 40            | 8/22            | m   | 2/52           |      | RS       |
| 1317         |        | 332         | 356                         |                             | 715                   |                          |                                    | 325                    | 357             |                   | 437         | 40            | 10/21           | m   | 2/52           | L1   | TO       |
| 1325         | 98     | 330         | 365                         | 674                         | 738                   | 362                      | 378                                | 326                    | 356             |                   | 433         | 40            | 10/20           | f   | 2/52           |      |          |
| 1333         | 97     | 335         | 368                         | 677                         | 743                   | 369                      | 374                                | 329                    | 363             | 434               | 443         | 42            | 9/21            | f   | 2/52           | L1   | TO       |
| 1336         | 100    | 327         | 366                         | 682                         | 737                   | 371                      | 365                                | 332                    | 354             | 536               | 615         | 46            | 9/19            | f   | 2/52           |      | GIM      |
| 1355         | 109    | 335         | 378                         | 679                         | 747                   | 382                      | 362                                | 342                    | 336             | 464               | 541         | 43            | 9/20            | m   |                |      | GIM      |
| 1359         | 99     | 332         | 366                         | 688                         | 738                   | 378                      | 369                                | 331                    | 356             | 391               | 480         | 41            | 9/19            | m   | 2/52           | L1   |          |
| 1365         | 106    | 341         | 380                         | 679                         | 750                   | 390                      | 369                                | 351                    | 351             | 542               | 646         | 45            | 8/20            | m   | 2/52           | L1   | RS       |
| 1367         |        | 345         | 378                         | 697                         | 757                   | 380                      | 381                                | 337                    | 358             | 541               | 651         | 43            | 9/19            | f   | 2/52           | L1   | TO       |
| 1377         | 100    | 341         | 381                         | 692                         | 758                   | 381                      | 391                                | 336                    | 357             | 467               | 561         | 44            |                 | f   | 2/52           | L1   | GIM      |
| 1379         | 115    | 347         | 386                         | 702                         | 767                   | 385                      | 392                                | 361                    | 359             | 497               | 573         | 43            | 10/21           | m   | 2/52           | L1   |          |
| 1380         |        | 342         | 382                         | 698                         | 770                   | 387                      | 395                                | 355                    | 358             | 448               | 565         | 44            | 10/21           | f   | 2/52           | L1   | RS       |
| 1385         |        | 338         | 374                         | 678                         | 756                   | 372                      | 398                                |                        | 370             | 561               | 631         | 44            | 10/20           | f   | 2/52           | L1   | RS       |
| 1392         | 108    | 347         | 374                         | 701                         | 774                   | 390                      | 389                                | 340                    | 339             | 474               | 556         | 41            | 10/20           | m   | 2/52           | L1   | TO       |
| 1397         | 100    | 340         | 378                         | 705                         | 778                   | 379                      | 404                                | 335                    | 361             | 400               | 482         | 41            | 10/20           | f   | 2/52           | L1   | RS       |
| 1402         | 112    | 351         | 392                         | 707                         | 774                   | 391                      | 392                                | 357                    | 374             | 488               | 547         | 45            | 9/21            | m   | 2/52           | L1   |          |
| 1403         | 110    | 355         | 390                         | 704                         | 766                   | 391                      | 386                                | 361                    | 385             | 533               | 583         | 45            | 9/19            | f   | 2/52           | L1   | TO       |
| 1404         | 121    | 346         | 383                         | 705                         | 772                   | 390                      | 390                                | 361                    | 330             | 352               | 562         | 49            | 10/20           | m   |                | L1   | RS       |
| 1410         | 113    | 345         | 387                         | 690                         | 763                   | 390                      | 377                                | 339                    | 355             | 411               | 484         | 42            | 9/20            | m   | 2/52           |      | GIM      |
| 1415         | 121    | 366         | 387                         | 703                         | 785                   | 413                      | 387                                | 373                    | 363             | 620               | 684         | 44            | 10/20           | m   | 2/52           | L1   | TO       |
| 1420         | 114    | 359         | 391                         | 715                         | 788                   | 394                      | 403                                | 345                    | 385             | 511               | 590         | 46            | 10/20           | f   | 2/52           | L1   | RS       |
| 1425         | 116    | 368         | 410                         | 726                         | 793                   | 408                      | 401                                | 364                    | 375             | 544               | 655         | 47            | 9/21            | m   | 2/52           | L1   | RS       |
| 1435         | 125    | 359         | 399                         | 724                         | 789                   | 394                      | 403                                | 360                    | 396             | 561               | 661         | 42            | 9/20            | m   | 2/52           | L1   | RS       |
| 1437         | 123    | 360         | 400                         | 724                         | 797                   | 399                      | 404                                | 347                    | 387             | 463               | 503         | 45            | 10/21           | f   | 2/52           | L1   |          |
| 1441         | 121    | 358         | 397                         | 723                         | 790                   | 393                      | 399                                | 361                    | 369             | 524               | 608         | 43            | 9/20            | m   | 2/52           | L1   | RS       |
| 1456         | 128    | 361         | 391                         | 723                         | 790                   | 389                      | 403                                | 363                    | 386             | 505               | 522         | 45            | 10/21           | m   | 2/52           | L1   | TO       |

Table 7. Yellowfin from the Western Equatorial Pacific:  
Eastern Marshalls (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventrals to<br>Ant. Edge Vent. | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Exam. |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|-------------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|-------|
| 1457         | 131    | 361         | 395                         | 732                         | 803                   | 401                      | 413                                 | 373                    | 351             | 506               | 562         | 44            | 9/19            | m   | 2/52           | L1   | GIM   |
| 1465         | 128    | 365         | 397                         | 735                         | 801                   | 402                      | 414                                 | 374                    | 352             | 474               | 445         | 44            | 8/20            | m   | 2/52           | L1   | TO    |
| 1470         | 131    | 360         | 401                         | 739                         | 815                   | 394                      | 430                                 | 366                    | 370             | 616               | 682         | 44            | 9/22            | m   | 2/52           | L1   | TO    |
| 1473         | 125    | 363         | 404                         | 731                         | 798                   | 417                      | 387                                 | 366                    | 386             | 532               | 587         | 46            | 9/19            | m   | 2/52           | L1   | RS    |
| 1482         | 129    | 371         | 413                         | 743                         | 826                   | 411                      | 418                                 | 366                    | 376             | 550               | 608         | 47            | 9/20            | m   | 2/52           |      | RS    |

Table 8. Yellowfin from the Western Equatorial Pacific:  
Western Marshalls

|     |     |     |     |     |     |     |     |     |     |    |    |    |       |   |      |    |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|-------|---|------|----|-----|
| 336 | 1.6 | 96  | 109 | 189 | 208 | 106 | 102 | 88  | 101 | 27 | 30 | 19 | 9/21  |   | 8/51 | F1 | WVC |
| 388 | 2.5 | 111 | 129 | 218 | 235 | 127 | 114 | 105 | 117 | 42 | 39 | 21 | 9/21  |   | 8/51 | L1 | WVC |
| 458 | 3.4 | 140 | 146 | 252 | 275 | 145 | 133 | 120 | 138 | 51 | 46 | 22 | 9/20  |   | 7/51 | L1 | WVC |
| 492 | 4.8 | 138 | 156 | 268 | 299 | 157 | 138 | 129 | 154 | 62 | 56 | 24 | 8/20  |   | 7/51 | L1 | WVC |
| 514 | 5.5 | 148 | 160 | 282 | 313 | 166 |     | 129 | 164 | 62 | 59 | 27 |       |   | */47 | Tr | JCM |
| 522 | 8   | 149 | 165 | 291 | 320 | 170 |     | 134 | 163 | 60 | 60 | 28 |       |   | */47 | Tr | JCM |
| 523 | 5.3 | 149 | 168 | 282 | 312 | 162 | 154 | 132 | 170 | 66 | 63 | 27 | 8/20  |   | 7/51 | L1 | WVC |
| 525 | 6   | 152 | 164 | 290 | 321 | 177 |     | 130 | 157 | 63 | 61 | 26 |       |   | */47 | Tr | JCM |
| 526 | 6   | 155 | 171 | 294 | 324 | 182 |     | 135 | 154 | 57 | 54 | 28 |       |   | */47 | Tr | JCM |
| 529 | 6.2 | 154 | 176 | 300 | 321 | 169 | 155 | 142 | 161 | 67 | 65 | 27 | 10/21 | m | 7/51 | L1 | WVC |
| 530 | 6.5 | 152 | 163 | 294 | 321 | 173 |     | 136 | 158 | 59 | 56 | 27 |       |   | */47 | Tr | JCM |
| 533 | 5   | 152 | 160 | 292 | 323 | 174 |     | 131 | 165 | 62 | 60 | 27 |       |   | */47 | Tr | JCM |
| 534 | 6   | 157 | 170 | 294 | 328 | 176 |     | 132 | 159 | 61 | 60 | 27 |       |   | */47 | Tr | JCM |
| 536 | 6   | 153 | 166 | 294 | 324 | 172 |     | 125 | 173 | 65 | 62 | 27 |       |   | */47 | Tr | JCM |
| 540 | 7   | 154 | 168 | 296 | 326 | 175 |     | 136 | 168 | 72 | 67 | 26 |       |   | */47 | Tr | JCM |
| 541 |     | 160 | 179 | 303 | 329 | 177 |     | 137 | 160 | 59 | 62 | 27 |       |   | */47 | Tr | JCM |
| 544 | 6.5 | 158 | 170 | 299 | 329 | 173 |     | 131 | 160 | 63 | 64 | 27 |       |   | */47 | Tr | JCM |
| 546 | 6.5 | 156 | 168 | 294 | 325 | 175 |     | 136 | 172 | 67 | 63 | 28 |       |   | */47 | Tr | JCM |
| 547 | 6.5 | 156 | 168 | 300 | 332 | 175 |     | 136 | 174 | 65 | 66 | 30 |       |   | */47 | Tr | JCM |
| 549 | 6.5 | 158 | 168 | 296 | 326 | 178 |     | 138 | 173 | 68 | 63 | 29 |       |   | */47 | Tr | JCM |
| 551 | 6   | 160 | 166 | 299 | 330 | 180 |     | 134 | 175 | 66 | 60 | 28 |       |   | */47 | Tr | JCM |
| 552 | 7   | 163 | 173 | 305 | 337 | 180 |     | 140 | 171 | 63 | 64 | 27 |       |   | */47 | Tr | JCM |
| 553 | 7   | 158 | 170 | 302 | 336 | 181 |     | 137 | 165 | 64 | 63 | 29 |       |   | */47 | Tr | JCM |
| 561 | 7   | 160 | 170 | 304 | 336 | 180 |     | 137 | 168 | 70 | 70 | 26 |       |   | */47 | Tr | JCM |
| 565 | 7   | 161 | 175 | 308 | 336 | 183 |     | 140 | 167 | 69 | 61 | 29 |       |   | */47 | Tr | JCM |

\*From July 19 to August 26.

Table 8. Yellowfin from the Western Equatorial Pacific:  
Western Marshalls (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventrals to<br>Ant. Edge Vent | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|------------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 567          | 7.5    | 164         | 173                         | 310                         | 345                   | 187                      |                                    | 144                    | 182             | 71                | 67          | 28            |                 |     | * / 47         | Tr   | JCM      |
| 577          | 8.1    | 168         | 189                         | 317                         | 347                   | 185                      | 166                                | 155                    | 168             | 74                | 69          | 28            | 9/21            | f   | 8/51           | L1   | WVC      |
| 585          | 9      | 170         | 191                         | 319                         | 328                   | 187                      | 164                                | 149                    | 194             | 85                | 77          | 31            | 10/20           | m   | 7/51           | L1   | WVC      |
| 585          | 7.5    | 171         | 184                         | 316                         | 354                   | 190                      |                                    | 144                    | 186             | 71                | 70          | 29            |                 |     | * / 47         | Tr   | JCM      |
| 595          | 8.5    | 168         | 194                         | 325                         | 355                   | 188                      | 174                                | 151                    | 175             | 84                | 82          | 29            | 9/19            | f   | 7/51           | L1   | WVC      |
| 596          | 8.2    | 170         | 184                         | 321                         | 346                   | 183                      | 168                                | 151                    | 181             | 79                | 75          | 25            | 10/21           | m   | 7/51           | L1   | WVC      |
| 598          | 8.5    | 169         | 189                         | 324                         | 351                   | 185                      | 171                                | 153                    | 195             | 84                | 83          | 31            | 9/20            | m   | 7/51           | L1   | WVC      |
| 600          | 8      | 173         | 186                         | 329                         | 355                   | 195                      |                                    | 152                    | 183             | 74                | 75          | 31            |                 |     | * / 47         | Tr   | JCM      |
| 605          | 9      | 170         | 182                         | 327                         | 353                   | 185                      |                                    | 152                    | 181             | 77                | 82          | 30            |                 |     | * / 47         | Tr   | JCM      |
| 621          |        | 175         | 195                         | 340                         | 369                   | 190                      | 184                                | 153                    | 195             | 84                | 83          | 30            | 3/20            | f   | 7/51           | L1   | WVC      |
| 655          | 11     | 184         | 198                         | 350                         | 385                   | 210                      |                                    | 163                    | 194             | 94                | 93          | 29            |                 |     | * / 47         | Tr   | JCM      |
| 661          | 11     | 181         | 200                         | 354                         | 391                   | 202                      |                                    | 167                    | 212             | 91                | 93          | 29            |                 |     | * / 47         | Tr   | JCM      |
| 666          | 11     | 186         | 202                         | 354                         | 390                   | 210                      |                                    | 159                    | 194             | 85                | 83          | 31            |                 |     | * / 47         | Tr   | JCM      |
| 676          | 12.5   | 186         | 203                         | 362                         | 396                   | 207                      |                                    | 167                    | 216             | 100               | 98          | 29            |                 |     | * / 47         | Tr   | JCM      |
| 726          | 14     | 202         | 216                         | 388                         | 428                   | 229                      |                                    | 178                    | 224             |                   |             | 30            |                 |     | * / 47         | Tr   | JCM      |
| 739          | 17     | 208         | 220                         | 394                         | 432                   | 227                      |                                    | 181                    | 211             | 93                | 99          | 31            |                 |     | * / 47         | Tr   | JCM      |
| 763          | 18     | 212         | 221                         | 405                         | 454                   | 249                      |                                    | 188                    | 223             | 121               | 127         | 32            |                 |     | * / 47         | Tr   | JCM      |
| 787          | 19     | 210         | 227                         | 411                         | 450                   | 235                      |                                    | 185                    | 236             | 114               | 107         | 32            |                 |     | * / 47         | Tr   | JCM      |
| 826          | 21.5   | 232         | 245                         | 432                         | 486                   | 260                      |                                    | 197                    | 244             | 136               | 118         |               |                 |     | * / 47         | Tr   | JCM      |
| 837          | 21.5   | 236         | 256                         | 443                         | 484                   | 256                      |                                    | 211                    | 252             | 125               | 130         |               |                 |     | * / 47         | Tr   | JCM      |
| 839          | 29     | 230         | 251                         | 440                         | 466                   | 244                      |                                    | 208                    | 260             | 150               | 176         | 35            |                 |     | * / 47         | Tr   | JCM      |
| 846          | 23.5   | 230         | 247                         | 442                         | 490                   | 255                      |                                    | 205                    | 248             | 144               | 144         | 32            |                 |     | * / 47         | Tr   | JCM      |
| 897          | 27     | 242         | 259                         | 466                         | 513                   | 271                      |                                    | 213                    | 272             | 174               | 179         | 33            |                 |     | * / 47         | Tr   | JCM      |
| 931          | 30     | 243         | 286                         | 485                         | 521                   | 264                      |                                    | 223                    | 290             | 209               | 200         | 37            |                 |     | * / 47         | Tr   | JCM      |
| 933          | 33     | 256         | 278                         | 487                         | 528                   | 280                      |                                    | 234                    | 258             | 142               | 153         |               |                 |     | * / 47         | Tr   | JCM      |
| 935          |        | 254         | 264                         | 497                         | 541                   | 281                      |                                    | 225                    | 273             | 157               | 165         | 35            |                 |     | * / 47         | Tr   | JCM      |
| 943          | 40     | 258         | 281                         | 497                         | 552                   | 286                      |                                    | 235                    | 285             | 173               | 167         | 35            |                 |     | * / 47         | Tr   | JCM      |
| 1015         | 45     | 268         | 287                         | 517                         | 573                   | 301                      |                                    | 247                    | 304             | 170               | 176         | 34            |                 |     | * / 47         | Tr   | JCM      |
| 1041         | 45     | 268         | 297                         | 539                         | 589                   | 303                      |                                    | 251                    | 294             |                   | 248         | 35            |                 |     | * / 47         | Tr   | JCM      |
| 1078         | 49     | 277         | 296                         | 550                         | 573                   | 308                      |                                    | 265                    | 307             | 250               | 255         | 37            |                 |     | * / 47         | Tr   | JCM      |

\*From July 19 to August 26.

Table 8 Yellowfin from the Western Equatorial Pacific:  
Western Marshalls (Continued)

| Total Length | Weight                          | Head Length | Snout to In.<br>1st Dorsal | Snout to In.<br>2nd Dorsal | Snout to In.<br>Anal | Snout to In.<br>Ventral | In. Ventral to<br>Ant. Edge of<br>Greatest Body<br>Depth | Length Posterior | Height 2nd Dorsal | Height Anal | Diameter Iris | N. Gill Raker | Sex   | Month and Year | Age | Remarks |     |
|--------------|---------------------------------|-------------|----------------------------|----------------------------|----------------------|-------------------------|--|------------------|-------------------|-------------|---------------|---------------|-------|----------------|-----|---------|-----|
| 1103         | 52                              | 282         | 310                        | 550                        | 622                  | 326                     |  | 269              | 317               | 247         | 306           | 38            |       |                |     | TR      | JCA |
| 1501         |                                 | 364         | 402                        | 754                        | 822                  | 401                     | 422  | 377              | 379               | 550         | 594           | 44            |       |                |     | L1      | TO  |
| 1513         | 133 <sup>3</sup> / <sub>4</sub> | 366         | 425                        | 740                        | 806                  | 403                     | 417  | 373              | 363               | 495         | 548           | 44            | 9/20  | 5/51           |     | L1      | WVC |
| 1522         |                                 | 372         | 406                        | 759                        | 828                  | 416                     | 425  | 384              | 387               | 582         | 631           | 42            |       | 5/51           |     | L1      | TO  |
| 1525         | 151 <sup>3</sup> / <sub>4</sub> | 376         | 412                        | 745                        | 827                  | 412                     | 434  | 396              | 387               | 521         | 656           | 47            | 8/20  | 7/51           |     | L1      | WVC |
| 1542         | 148                             | 381         | 405                        | 758                        | 849                  | 438                     | 424  | 393              | 373               | 561         | 672           | 44            |       | 5/51           |     | L1      | TO  |
| 1561         | 155 <sup>3</sup> / <sub>4</sub> | 381         | 434                        | 776                        | 834                  | 416                     | 437  | 392              | 375               | 500         | 526           | 46            | 10/21 | 7/51           |     | L1      | WVC |
| 1564         | 165 <sup>3</sup> / <sub>4</sub> | 370         | 426                        | 766                        | 843                  | 403                     | 458  | 391              | 398               | 597         | 693           | 45            | 9/20  | 7/51           |     | L1      | WVC |
| 1652         | 183 <sup>3</sup> / <sub>4</sub> | 395         | 448                        | 811                        | 885                  | 439                     | 455  | 426              | 393               | 652         | 818           | 49            | 8/19  | 7/51           |     | L1      | WVC |
| 1689         | 162 <sup>1</sup> / <sub>2</sub> | 410         | 482                        | 838                        | 924                  | 446                     | 490  | 407              | 393               | 632         | 765           | 46            | 9/21  | 7/51           |     | L1      | WVC |

Table 9. Yellowfin from the Western Equatorial Pacific:  
Eastern Carolines

|     |     |     |     |     |     |     |     |     |     |    |    |    |      |   |      |    |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|------|---|------|----|-----|
| 490 | 3   | 139 | 157 | 270 | 299 | 155 | 147 | 128 | 162 | 60 | 57 | 25 | 9/18 | f | 4/51 | L1 | TO  |
| 502 | 5.8 | 145 | 161 | 274 | 293 | 160 | 145 | 131 | 158 | 62 | 61 | 25 | 8/19 |   | 6/51 | L1 | WVC |
| 518 |     | 149 | 164 | 283 | 310 | 166 | 147 | 128 | 156 | 65 | 57 | 28 |      |   | 8/50 | L1 | BMS |
| 546 |     | 156 | 171 | 293 | 325 | 172 | 156 | 133 | 178 | 71 | 66 | 28 |      |   | 8/50 | L1 | BMS |
| 549 |     | 158 |     | 309 | 338 | 181 | 166 | 150 | 149 | 62 | 61 | 23 | 8/20 | f | 6/51 | L1 | WVC |
| 554 | 7.9 | 163 | 182 | 308 | 332 | 178 | 160 | 144 | 179 | 75 | 74 | 30 | 9/20 | m | 6/51 | L1 | WVC |
| 559 | 6.9 | 162 | 179 | 303 | 328 | 177 | 155 | 138 | 179 | 72 | 70 | 27 | 8/20 | f | 6/51 | L1 | WVC |
| 565 |     | 164 | 175 | 305 | 339 | 181 | 165 | 144 | 183 | 75 | 73 | 30 |      |   | 7/50 | L1 | BMS |
| 571 | 7.6 | 165 | 188 | 316 | 331 | 175 | 156 | 143 | 177 | 76 | 75 | 29 | 9/19 | m | 6/51 | L1 | WVC |
| 574 | 7.6 | 165 | 187 | 316 | 337 | 180 | 163 | 149 | 182 | 85 | 81 | 30 | 9/20 | m | 6/51 | L1 | WVC |
| 579 | 7.9 | 166 | 186 | 317 | 341 | 183 | 165 | 150 | 186 | 86 | 85 | 30 | 9/20 | f | 6/51 | L1 | WVC |
| 579 | 7.8 | 166 | 186 | 320 | 343 | 181 | 165 | 147 | 190 | 80 | 78 | 28 | 9/19 |   | 6/51 | L1 | WVC |
| 585 | 9   | 165 | 180 | 316 | 350 | 180 | 170 | 151 | 184 | 79 | 80 | 28 |      |   | 4/51 | L1 | TO  |
| 586 | 8.9 | 171 | 196 | 329 | 354 | 184 | 173 | 154 | 192 | 88 | 78 | 28 | 9/21 | f | 6/51 | L1 | WVC |
| 587 |     | 164 | 181 | 317 | 343 | 184 | 165 | 152 | 187 | 80 | 84 | 28 |      |   | 8/50 | L1 | BMS |
| 587 | 7.9 | 166 | 183 | 315 | 344 | 182 | 165 | 147 | 185 | 82 | 80 | 28 | 9/20 | m | 6/51 | L1 | WVC |
| 588 | 9   | 169 | 179 | 323 | 354 | 183 | 173 | 145 | 181 | 80 | 77 | 29 | 9/20 | f | 4/51 | L1 | TO  |
| 591 |     | 167 | 182 | 321 | 350 | 189 | 164 | 143 | 190 | 80 | 79 | 29 |      |   | 8/50 | L1 | BMS |
| 592 |     | 169 | 186 | 319 | 346 | 188 | 165 | 145 | 190 | 86 | 82 | 28 |      |   | 7/50 | L1 | BMS |
| 605 |     | 170 | 185 | 322 | 362 | 190 | 181 | 150 | 194 | 85 | 88 | 28 |      |   | 7/50 | P1 | BMS |

\*From July 19 to August 26

Table 9. Yellowfin from the Western Equatorial Pacific:  
Eastern Carolines (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventrals to<br>Ant. Edge Vent | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Spec | Examiner |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|------------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 605          |        | 172         | 188                         | 325                         | 357                   | 188                      | 175                                | 148                    | 199             | 90                | 90          | 29            |                 |     | 8/50           | L1   | BMS      |
| 611          |        | 174         | 191                         | 331                         | 360                   | 191                      | 176                                | 158                    | 184             | 82                | 81          | 30            |                 |     | 7/50           | L1   | BMS      |
| 614          |        | 178         | 187                         | 329                         | 361                   | 195                      | 174                                | 165                    | 205             | 90                | 90          | 29            |                 |     | 7/50           | L1   | BMS      |
| 626          |        | 176         | 191                         | 335                         | 363                   | 198                      | 174                                | 164                    | 204             | 101               | 96          | 28            |                 |     | 8/50           | L1   | BMS      |
| 630          |        | 176         | 196                         | 339                         | 369                   | 194                      | 179                                | 155                    | 205             | 97                | 96          | 29            |                 |     | 8/50           | L1   | BMS      |
| 636          |        | 181         | 201                         | 343                         | 373                   | 202                      | 178                                | 166                    | 209             | 102               | 102         | 30            |                 |     | 8/50           | L1   | BMS      |
| 639          |        | 180         | 195                         | 346                         | 380                   | 201                      | 184                                | 159                    | 208             | 91                | 92          | 29            |                 |     | 8/50           | L1   | BMS      |
| 641          |        | 180         | 195                         | 346                         | 382                   | 203                      | 182                                | 164                    | 216             | 99                | 99          | 31            |                 |     | 7/50           | L1   | BMS      |
| 647          |        | 179         | 193                         | 344                         | 378                   | 190                      | 190                                | 154                    | 208             | 95                | 95          | 30            |                 |     | 8/50           | L1   | BMS      |
| 660          |        | 187         | 206                         | 353                         | 386                   | 207                      | 187                                | 163                    | 195             | 103               | 106         | 30            |                 |     | 7/50           | L1   | BMS      |
| 661          |        | 187         | 201                         | 349                         | 393                   | 206                      | 193                                | 168                    | 196             | 97                | 92          | 31            |                 |     | 7/50           | L1   | BMS      |
| 662          |        | 186         | 208                         | 364                         | 397                   | 207                      | 197                                | 166                    | 214             | 100               | 100         | 28            |                 |     | 7/50           | L1   | BMS      |
| 674          |        | 182         | 205                         | 360                         | 396                   | 203                      | 195                                | 167                    | 209             | 95                | 94          | 28            |                 |     | 8/50           | L1   | BMS      |
| 676          |        | 186         | 207                         | 363                         | 397                   | 212                      | 191                                | 170                    | 222             | 103               | 108         | 30            |                 |     | 8/50           | L1   | BMS      |
| 677          |        | 191         | 210                         | 366                         | 401                   | 213                      | 191                                | 164                    | 200             | 97                | 103         | 30            |                 |     | 8/50           | L1   | BMS      |
| 681          |        | 186         | 210                         | 367                         | 391                   | 208                      | 189                                | 168                    | 217             | 118               | 123         | 30            |                 |     | 8/50           | L1   | BMS      |
| 683          |        | 189         | 206                         | 364                         | 408                   | 209                      | 207                                | 171                    | 217             | 101               | 103         | 31            |                 |     | 8/50           | L1   | BMS      |
| 687          |        | 191         | 212                         | 371                         | 404                   | 212                      | 200                                | 168                    | 219             | 101               | 107         | 32            |                 |     | 7/50           | L1   | BMS      |
| 688          |        | 193         | 216                         | 375                         | 399                   | 208                      | 191                                | 180                    | 208             | 102               | 107         | 30            | 10/22           | f   | 5/51           | L1   | TO       |
| 689          |        | 198         | 218                         | 369                         | 409                   | 218                      | 196                                | 176                    | 224             | 114               | 122         | 32            |                 |     | 7/50           | L1   | BMS      |
| 692          |        | 193         | 212                         | 371                         | 410                   | 219                      | 196                                | 170                    | 213             | 100               | 112         | 28            |                 |     | 8/50           | L1   | BMS      |
| 697          |        | 190         | 214                         | 377                         | 411                   | 211                      | 201                                | 174                    | 235             | 101               | 105         | 29            |                 | f   | 4/51           | L1   | TO       |
| 703          |        | 193         | 218                         | 374                         | 411                   | 218                      | 197                                | 169                    | 213             | 98                | 110         | 31            |                 |     | 8/50           | L1   | BMS      |
| 704          |        | 196         | 217                         | 378                         | 413                   | 216                      | 205                                | 169                    | 218             | 103               | 113         | 33            |                 |     | 8/50           | L1   | BMS      |
| 705          |        | 197         | 218                         | 378                         | 417                   | 208                      | 210                                | 175                    | 230             | 113               | 117         | 31            |                 |     | 7/50           | L1   | BMS      |
| 706          |        | 196         | 217                         | 377                         | 416                   | 217                      | 208                                | 179                    | 223             | 116               | 113         | 31            |                 |     | 8/50           | L1   | BMS      |
| 719          |        | 198         | 215                         | 378                         | 422                   | 224                      | 207                                | 169                    | 227             | 112               | 119         | 31            |                 |     | 8/50           | L1   | BMS      |
| 721          |        | 200         | 221                         | 325                         | 425                   | 226                      | 206                                | 178                    | 224             | 116               | 128         | 31            |                 |     | 8/50           | L1   | BMS      |
| 722          |        | 198         | 217                         | 383                         | 426                   | 221                      | 211                                | 182                    | 241             | 120               | 129         | 31            |                 |     | 8/50           | L1   | BMS      |
| 724          |        | 196         | 221                         | 384                         | 419                   | 221                      | 207                                | 177                    | 246             | 120               | 123         | 33            |                 |     | 8/50           | L1   | BMS      |

Table 9. Yellowfin from the Western Equatorial Pacific:  
Eastern Carolines (Continued)

| Total Length | Weight | Head Length | Snout to In-<br>1st Dorsal | Snout to In-<br>2nd Dorsal | Snout to In-<br>Anal | Snout to In-<br>Ventral | In-<br>Ventral to<br>Ant. Edge Vent | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examined |
|--------------|--------|-------------|----------------------------|----------------------------|----------------------|-------------------------|-------------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 724          |        | 200         | 217                        | 381                        | 421                  | 225                     | 202                                 | 174                    | 220             | 118               | 110         | 33            |                 |     | 8/50           | L1   | BMS      |
| 737          |        | 204         | 226                        | 390                        | 423                  | 226                     | 216                                 | 180                    | 229             | 118               | 121         | 30            |                 |     | 8/50           | L1   | BMS      |
| 754          |        | 209         | 231                        | 395                        | 438                  | 236                     | 203                                 | 186                    | 245             | 128               | 138         | 30            |                 |     | 7/50           | L1   | BMS      |
| 761          |        | 203         | 219                        | 397                        | 434                  | 228                     | 213                                 | 183                    | 242             | 123               | 138         | 29            |                 |     | 8/50           | L1   | BMS      |
| 769          |        | 207         | 228                        | 397                        | 443                  | 237                     | 218                                 | 181                    | 242             | 116               | 123         | 31            |                 |     | 8/50           | L1   | BMS      |
| 773          |        | 208         | 226                        | 397                        | 443                  | 232                     | 220                                 | 181                    | 257             | 127               | 138         | 33            |                 |     | 8/50           | L1   | BMS      |
| 785          |        | 215         | 234                        | 414                        | 457                  | 250                     | 215                                 | 182                    | 238             | 128               | 132         | 32            |                 |     | 8/50           | L1   | BMS      |
| 787          |        | 214         | 229                        | 410                        | 452                  | 236                     | 226                                 | 186                    | 230             | 146               | 157         | 33            |                 |     | 8/50           | L1   | BMS      |
| 788          |        | 215         | 233                        | 417                        | 453                  | 238                     | 221                                 | 188                    | 243             | 126               | 128         | 32            |                 |     | 9/50           | L1   | BMS      |
| 798          |        | 218         | 237                        | 417                        | 457                  | 238                     | 225                                 | 194                    | 236             | 126               | 133         | 31            |                 |     | 7/50           | L1   | BMS      |
| 800          |        | 217         | 243                        | 420                        | 461                  | 242                     | 228                                 | 196                    | 255             | 141               | 161         | 31            |                 |     | 8/50           | L1   | BMS      |
| 808          |        | 220         | 247                        | 427                        | 466                  | 244                     | 232                                 | 203                    | 248             | 147               | 149         | 32            |                 |     | 7/50           | L1   | BMS      |
| 814          |        | 218         | 236                        | 422                        | 461                  | 249                     | 221                                 | 189                    | 243             | 133               | 146         | 34            |                 |     | 8/50           | L1   | BMS      |
| 819          |        | 223         | 245                        | 427                        | 475                  | 246                     | 235                                 | 209                    | 253             | 141               | 159         | 33            |                 |     | 7/50           | L1   | BMS      |
| 822          |        | 222         | 248                        | 434                        | 473                  | 249                     | 229                                 | 202                    | 240             | 137               | 150         | 33            |                 |     | 8/50           | L1   | BMS      |
| 836          |        | 229         | 252                        | 436                        | 486                  | 255                     | 239                                 | 201                    | 254             | 154               | 160         | 34            |                 |     | 8/50           | L1   | BMS      |
| 845          |        | 226         | 255                        | 445                        | 488                  | 254                     | 245                                 | 202                    | 254             | 150               | 155         | 32            |                 |     | 8/50           | L1   | BMS      |
| 849          |        | 228         | 251                        | 441                        | 490                  | 254                     |                                     | 211                    | 269             | 156               | 178         | 34            |                 |     | 8/50           | L1   | BMS      |
| 852          |        | 222         | 249                        | 438                        | 486                  | 251                     | 240                                 | 194                    | 263             | 145               | 167         | 33            |                 |     | 8/50           | L1   | BMS      |
| 857          |        | 233         | 255                        | 449                        | 492                  | 261                     | 234                                 | 214                    | 263             | 147               | 187         | 33            |                 |     | 8/50           | L1   | BMS      |
| 859          |        | 234         | 248                        | 445                        | 490                  | 263                     | 235                                 | 202                    | 272             | 162               | 171         | 33            |                 |     | 8/50           | L1   | BMS      |
| 860          |        | 230         | 255                        | 450                        | 483                  | 250                     | 241                                 | 215                    |                 | 177               | 189         | 34            |                 |     | 7/50           | L1   | BMS      |
| 863          |        | 230         | 253                        | 454                        | 488                  | 253                     | 240                                 | 208                    | 272             | 175               | 187         | 33            |                 |     | 8/50           | L1   | BMS      |
| 882          |        | 236         | 255                        | 458                        | 496                  | 264                     | 240                                 | 208                    | 272             | 171               | 206         | 35            |                 |     | 8/50           | L1   | BMS      |
| 885          |        | 236         | 264                        | 470                        | 507                  | 256                     | 254                                 | 213                    | 280             | 165               | 187         | 33            |                 | f   | 4/51           | L1   | TO       |
| 886          |        | 239         | 261                        | 458                        | 505                  | 263                     | 251                                 | 218                    | 294             | 179               | 198         | 34            |                 |     | 8/50           | L1   | BMS      |
| 889          |        | 234         | 265                        | 467                        | 503                  | 258                     | 251                                 | 205                    | 280             | 164               | 183         | 34            |                 |     | 8/50           | L1   | BMS      |
| 889          |        | 237         | 259                        | 459                        | 512                  | 263                     | 254                                 | 211                    | 290             | 162               | 186         | 34            |                 |     | 8/50           | L1   | BMS      |
| 896          |        | 241         | 269                        | 468                        | 512                  | 273                     | 250                                 | 220                    | 261             | 169               | 195         | 35            |                 |     | 8/50           | L1   | BMS      |
| 901          |        | 238         | 258                        | 459                        | 507                  | 258                     | 258                                 | 206                    | 292             | 171               | 183         | 35            |                 |     | 8/50           | L1   | BMS      |



Table 9. Yellowfin from the Western Equatorial Pacific:  
Eastern Carolines (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventrals to<br>Ant. Pyl. Vent. | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Code | Remarks |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|-------------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|---------|
| 915          |        | 240         | 268                         | 469                         | 519                   | 272                      | 253                                 | 219                    | 280             | 174               | 206         | 33            |                 |     | 8/50           | L1   | BMS     |
| 916          |        | 242         | 272                         | 479                         | 523                   | 270                      | 263                                 | 224                    | 272             | 176               | 190         | 38            |                 |     | 8/50           | L1   | BMS     |
| 924          |        | 248         | 272                         | 475                         | 521                   | 273                      | 253                                 | 217                    | 280             | 187               | 161         | 34            |                 |     | 8/50           | L1   | BMS     |
| 926          |        | 245         | 272                         | 476                         | 526                   | 293                      | 260                                 | 216                    | 276             | 184               | 194         | 33            |                 |     | 8/50           | L1   | BMS     |
| 930          |        | 244         | 277                         | 486                         | 533                   | 269                      | 273                                 | 221                    | 292             | 172               | 170         | 32            |                 |     | 7/50           | L1   | BMS     |
| 932          |        | 247         | 266                         | 479                         | 527                   | 277                      | 251                                 | 219                    | 280             | 177               | 191         | 34            |                 |     | 7/50           | L1   | BMS     |
| 946          |        | 249         | 269                         | 481                         | 540                   | 274                      | 272                                 | 225                    | 293             | 200               | 234         | 35            |                 |     | 8/50           | L1   | BMS     |
| 946          |        | 254         | 280                         | 483                         | 535                   | 278                      | 269                                 | 234                    | 296             | 190               | 208         | 35            |                 |     | 8/50           | L1   | BMS     |
| 971          |        | 256         | 283                         | 492                         | 539                   | 284                      | 268                                 | 235                    | 302             | 175               | 197         | 34            |                 |     | 8/50           | L1   | BMS     |
| 972          |        | 255         | 283                         | 501                         | 543                   | 280                      | 272                                 | 229                    | 278             | 176               | 210         | 35            |                 |     | 8/50           | L1   | BMS     |
| 979          |        | 255         | 277                         | 505                         | 547                   | 285                      | 269                                 | 238                    | 312             | 219               | 228         | 36            |                 |     | 8/50           | L1   | BMS     |
| 979          |        | 258         | 284                         | 496                         | 554                   | 289                      | 278                                 | 229                    | 310             | 205               | 226         | 36            |                 |     | 8/50           | L1   | BMS     |
| 979          |        | 260         | 291                         | 499                         | 549                   | 298                      | 267                                 | 231                    | 297             | 229               | 268         | 34            |                 |     | 7/50           | L1   | BMS     |
| 981          |        | 255         | 280                         | 503                         | 553                   | 290                      | 273                                 | 235                    | 269             | 186               | 210         | 36            |                 |     | 8/50           | L1   | BMS     |
| 985          |        | 251         | 275                         | 499                         | 548                   | 284                      | 272                                 | 226                    | 286             | 194               | 218         | 35            |                 |     | 8/50           | L1   | BMS     |
| 1046         |        | 272         | 300                         | 535                         | 582                   | 307                      | 285                                 | 238                    | 311             | 229               | 253         | 37            |                 |     | 8/50           | L1   | BMS     |
| 1072         |        | 276         | 306                         | 542                         | 596                   | 313                      | 291                                 | 254                    | 331             | 216               | 223         | 37            |                 |     | 8/50           | L1   | BMS     |
| 1083         |        | 282         | 308                         | 554                         | 605                   | 312                      | 305                                 | 265                    | 324             | 230               | 261         | 38            |                 |     | 9/50           | L1   | BMS     |
| 1084         |        | 284         | 309                         | 557                         | 612                   | 313                      | 313                                 | 269                    | 322             | 261               | 294         | 36            |                 |     | 8/50           | L1   | BMS     |
| 1087         |        | 278         | 308                         | 543                         | 592                   | 305                      | 296                                 | 254                    | 341             | 279               | 288         | 36            |                 |     | 8/50           | L1   | BMS     |
| 1088         |        | 279         | 311                         | 550                         | 603                   | 317                      | 301                                 | 261                    | 326             | 234               | 256         | 36            |                 |     | 8/50           | L1   | BMS     |
| 1108         |        | 289         | 320                         | 562                         | 616                   | 327                      | 304                                 | 272                    | 341             | 258               | 312         | 36            |                 |     | 7/50           | L1   | BMS     |
| 1136         |        | 286         | 318                         | 568                         | 630                   | 314                      | 324                                 | 281                    | 320             | 281               | 316         | 38            |                 |     | 7/50           | L1   | BMS     |
| 1144         |        | 290         | 326                         | 577                         | 622                   | 320                      | 311                                 | 267                    | 343             | 322               | 340         | 37            |                 |     | 7/50           | L1   | BMS     |
| 1144         |        | 287         | 322                         | 579                         | 637                   | 323                      | 325                                 | 268                    | 326             | 307               | 338         | 36            |                 |     | 8/50           | L1   | BMS     |
| 1147         |        | 281         | 307                         | 567                         | 627                   | 318                      | 324                                 | 276                    | 339             | 263               | 295         | 37            |                 |     | 7/50           | L1   | BMS     |
| 1154         |        | 290         | 328                         | 579                         | 646                   | 318                      | 338                                 | 269                    | 354             | 291               | 324         | 39            |                 |     | 8/50           | L1   | BMS     |
| 1155         |        | 297         | 322                         | 583                         | 637                   | 334                      | 312                                 | 279                    | 329             | 292               | 325         | 38            |                 |     | 8/50           | L1   | BMS     |
| 1158         |        | 294         | 324                         | 577                         | 632                   | 335                      | 311                                 | 273                    | 348             | 290               | 369         | 39            |                 |     | 8/50           | L1   | BMS     |
| 1163         |        | 295         | 331                         | 585                         | 645                   | 330                      | 323                                 | 285                    | 364             | 276               | 322         | 37            |                 |     | 8/50           | L1   | BMS     |

Table 9. Yellowfin from the Western Equatorial Pacific:  
Eastern Carolines (Continued)

| Total Length | Weight | Head Length | Snout to In-<br>1st Dorsal | Snout to In-<br>2nd Dorsal | Snout to In-<br>Anal | Snout to In-<br>Ventral | In. Ventrals to<br>Ant. Edge Vent. | Greatest Body<br>Depth | Length Pectoral | Height Ant Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Specimen |
|--------------|--------|-------------|----------------------------|----------------------------|----------------------|-------------------------|------------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 1168         |        | 298         | 335                        | 588                        | 643                  | 332                     | 320                                | 289                    | 337             | 334               | 348         | 37            |                 |     | 8/50           | L1   | BMS      |
| 1170         |        | 292         | 321                        | 577                        | 643                  | 323                     | 331                                | 284                    | 320             | 285               | 319         | 37            |                 |     | 8/50           | L1   | BMS      |
| 1170         |        | 292         | 330                        | 594                        | 644                  | 329                     | 327                                | 274                    | 326             | 300               | 312         | 37            |                 |     | 8/50           | L1   | BMS      |
| 1179         |        | 302         | 326                        | 585                        | 641                  | 335                     | 316                                | 278                    | 320             | 322               | 391         | 38            |                 |     | 8/50           | L1   | BMS      |
| 1195         |        | 299         | 339                        | 595                        | 655                  | 331                     | 334                                | 291                    | 347             | 364               | 408         | 37            |                 |     | 7/50           | L1   | BMS      |
| 1210         |        | 310         | 340                        | 606                        | 664                  | 348                     | 331                                | 294                    | 342             | 356               | 397         | 40            |                 |     | 8/50           | L1   | BMS      |
| 1225         |        | 308         | 340                        | 602                        | 664                  | 337                     | 337                                | 298                    |                 | 280               | 385         | 40            |                 |     | 3/50           | L1   | BMS      |
| 1227         |        | 313         | 354                        | 624                        | 680                  | 349                     | 339                                | 288                    | 355             | 332               | 409         | 40            |                 |     | 8/50           | L1   | BMS      |
| 1232         |        | 313         | 350                        | 626                        | 689                  | 350                     | 345                                | 301                    | 327             | 391               | 423         | 40            |                 |     | 8/50           | L1   | BMS      |
| 1235         |        | 312         | 345                        | 616                        | 683                  | 347                     | 353                                | 303                    | 338             | 364               | 385         | 40            |                 |     | 8/50           | L1   | BMS      |
| 1236         |        | 308         | 346                        | 622                        | 676                  | 339                     | 350                                | 300                    | 348             | 376               | 412         | 41            |                 |     | 8/50           | L1   | BMS      |
| 1243         |        | 317         | 350                        | 618                        | 688                  | 351                     | 349                                | 299                    | 346             | 353               | 351         | 38            |                 |     | 8/50           | L1   | BMS      |
| 1257         |        | 323         | 349                        | 630                        | 687                  | 360                     | 338                                | 312                    | 333             | 382               | 426         | 38            |                 |     | 8/50           | L1   | BMS      |
| 1274         |        | 323         | 361                        | 647                        | 706                  | 359                     | 359                                | 315                    | 374             | 457               | 503         | 41            |                 |     | 8/50           | L1   | BMS      |
| 1282         |        | 324         | 350                        | 641                        | 711                  | 367                     | 360                                | 331                    | 338             | 435               | 416         | 40            |                 |     | 8/50           | L1   | BMS      |
| 1289         |        | 325         | 350                        | 638                        | 711                  | 370                     | 350                                | 323                    | 370             | 434               | 508         | 41            |                 |     | 8/50           | L1   | BMS      |
| 1295         |        | 317         | 359                        | 647                        | 710                  | 350                     | 372                                | 323                    | 336             | 406               | 472         | 42            |                 |     | 7/50           | L1   | BMS      |
| 1314         |        | 327         | 369                        | 654                        | 712                  | 368                     | 354                                | 333                    | 371             | 425               | 457         | 41            |                 |     | 8/50           | L1   | BMS      |
| 1317         |        | 323         | 355                        | 651                        | 708                  | 363                     | 358                                | 324                    | 349             | 392               | 430         | 39            |                 |     | 8/50           | L1   | BMS      |
| 1320         |        | 328         | 367                        | 662                        | 727                  | 361                     | 377                                | 318                    | 358             | 387               | 440         | 38            |                 |     | 8/50           | L1   | BMS      |
| 1327         |        | 336         | 370                        | 655                        | 721                  | 375                     | 362                                | 318                    | 381             | 517               | 630         | 42            |                 |     | 8/50           | L1   | BMS      |
| 1336         |        | 336         | 358                        | 650                        | 735                  | 376                     | 377                                | 341                    | 353             | 613               | 650         | 45            |                 |     | 7/50           | L1   | BMS      |
| 1341         |        | 332         | 377                        | 666                        | 721                  | 373                     | 361                                | 331                    | 374             | 443               | 498         | 40            |                 |     | 8/50           | L1   | BMS      |
| 1350         |        | 345         | 381                        | 675                        | 750                  | 384                     | 383                                | 348                    | 346             | 450               | 498         | 42            |                 |     | 8/50           | L1   | BMS      |
| 1357         | 39     | 329         | 368                        | 668                        | 749                  | 381                     | 365                                | 331                    | 372             | 349               | 428         | 41            |                 | f   | 4/51           | L1   | TO       |
| 1358         |        | 345         | 374                        | 672                        | 747                  | 380                     | 380                                | 357                    | 370             | 460               | 573         | 45            |                 |     | 8/50           | L1   | BMS      |
| 1365         |        | 339         | 362                        | 669                        | 744                  | 372                     | 392                                | 324                    | 370             | 412               | 489         | 40            |                 |     | 8/50           | L1   | BMS      |
| 1372         |        | 341         | 369                        | 681                        | 748                  | 381                     | 381                                | 345                    | 387             | 489               | 554         | 41            |                 |     | 8/50           | L1   | BMS      |
| 1375         |        | 345         | 382                        | 682                        | 760                  | 387                     | 382                                | 337                    | 352             | 518               | 612         | 43            |                 |     | 8/50           | L1   | BMS      |
| 1378         |        | 351         | 378                        | 682                        | 748                  | 397                     | 355                                | 344                    | 360             | 528               | 545         | 45            |                 |     | 8/50           | L1   | BMS      |

Table 9. Yellowfin from the Western Equatorial Pacific:  
Eastern Carolines (Continued)

| Total Length | Weight                        | Head Length | Snout to Ine.<br>1st Dorsal | Snout to Ine.<br>2nd Dorsal | Snout to Ine.<br>Anal | Snout to Ine.<br>Ventral | Ine. Ventral to<br>Ant. Fin. Ventr. | Greatest Body<br>Depth | Length Per total | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Class | Examiner |
|--------------|-------------------------------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|-------------------------------------|------------------------|------------------|-------------------|-------------|---------------|-----------------|-----|----------------|-------|----------|
| 1378         |                               | 351         | 379                         | 681                         | 753                   | 398                      | 372                                 | 345                    | 375              | 544               | 674         | 47            |                 |     | 7/50           | L1    | BMS      |
| 1379         |                               | 357         | 387                         | 688                         | 764                   | 396                      | 378                                 | 349                    | 362              | 412               | 622         | 44            |                 |     | 8/50           | L1    | BMS      |
| 1381         |                               | 347         | 375                         | 686                         | 756                   | 387                      | 380                                 | 354                    | 360              |                   | 545         | 43            |                 |     | 8/50           | L1    | BMS      |
| 1384         |                               | 340         | 377                         | 692                         | 752                   | 386                      | 384                                 | 352                    | 350              | 462               | 581         | 48            |                 |     | 8/50           | L1    | BMS      |
| 1384         |                               | 351         | 361                         | 681                         | 756                   | 397                      | 368                                 | 342                    | 362              | 499               | 582         | 41            |                 |     | 8/50           | L1    | BMS      |
| 1386         |                               | 349         | 381                         | 690                         | 754                   | 391                      | 382                                 | 341                    | 387              | 441               | 527         | 43            |                 |     | 8/50           | L1    | BMS      |
| 1387         |                               | 342         | 371                         | 675                         | 745                   | 380                      | 376                                 | 324                    | 369              | 380               | 549         | 44            |                 |     | 8/50           | L1    | BMS      |
| 1397         |                               | 347         | 382                         | 693                         | 765                   | 386                      | 394                                 | 357                    | 374              | 490               | 547         | 44            |                 |     | 8/50           | L1    | BMS      |
| 1401         |                               | 347         | 381                         | 693                         | 772                   | 390                      | 397                                 | 353                    | 356              | 454               | 476         | 43            |                 |     | 8/50           | L1    | BMS      |
| 1425         |                               | 354         | 386                         | 707                         | 786                   | 393                      | 410                                 | 352                    | 365              | 485               | 324         | 42            |                 |     | 8/50           | L1    | BMS      |
| 1428         |                               | 350         | 389                         | 696                         | 769                   | 392                      | 396                                 | 348                    | 355              | 438               | 311         | 42            |                 |     | 7/50           | L1    | BMS      |
| 1440         |                               | 361         | 381                         | 708                         | 782                   | 403                      | 403                                 | 352                    | 370              | 621               | 660         | 43            |                 |     | 8/50           | L1    | BMS      |
| 1458         |                               | 352         | 382                         | 710                         | 793                   | 401                      | 410                                 | 373                    | 382              | 535               | 633         | 41            |                 |     | 8/50           | L1    | BMS      |
| 1475         |                               | 360         | 397                         | 715                         | 801                   | 411                      | 410                                 | 353                    | 380              | 573               | 643         | 44            |                 |     | 8/50           | L1    | BMS      |
| 1477         |                               | 356         | 406                         | 722                         | 791                   |                          | 405                                 | 362                    | 374              | 517               | 602         | 43            |                 |     | 8/50           | L1    | BMS      |
| 1479         |                               | 364         | 391                         | 709                         | 791                   | 407                      | 402                                 | 360                    | 380              |                   | 641         | 42            |                 |     | 8/50           | L1    | BMS      |
| 1499         |                               | 374         | 417                         | 740                         | 804                   | 409                      | 413                                 | 378                    | 383              | 639               | 699         | 45            |                 |     | 8/50           | L1    | BMS      |
| 1500         |                               | 364         | 404                         | 748                         | 827                   | 410                      | 433                                 | 381                    | 389              | 542               | 588         | 43            |                 |     | 8/50           | L1    | BMS      |
| 1509         |                               | 381         | 410                         | 742                         | 826                   | 425                      | 422                                 | 386                    | 366              | 549               | 646         | 46            |                 |     | 8/50           | L1    | BMS      |
| 1512         | 126                           | 362         | 413                         | 760                         | 840                   | 410                      | 428                                 | 352                    | 368              | 512               |             | 41            |                 | f   | 5/51           | L1    | TO       |
| 1520         |                               | 379         | 412                         | 748                         | 824                   | 409                      | 431                                 | 398                    | 406              | 638               | 692         | 44            |                 | m   | 8/50           | L1    | BMS      |
| 1522         | 146 <sup>3</sup> <sub>4</sub> | 366         | 416                         | 760                         | 818                   | 394                      | 431                                 | 390                    | 365              | 622               | 678         | 44            | 7/20            | m   | 6/51           | L1    | WVC      |
| 1526         |                               | 382         | 433                         | 761                         | 836                   | 423                      | 433                                 | 394                    | 385              | 600               | 632         | 45            |                 |     | 8/50           | L1    | BMS      |
| 1536         |                               | 396         | 409                         | 765                         | 860                   | 433                      | 443                                 | 399                    | 383              | 608               |             | 44            |                 | m   | 6/51           | L1    | TO       |
| 1551         |                               | 390         | 424                         | 772                         |                       | 434                      | 444                                 | 406                    | 388              | 692               | 757         | 48            |                 | m   | 8/50           | L1    | BMS      |
| 1557         |                               | 390         | 443                         | 773                         | 849                   | 440                      | 430                                 | 382                    | 389              | 711               | 752         | 48            |                 |     | 8/50           | L1    | BMS      |
| 1568         |                               | 379         | 417                         | 757                         | 839                   | 417                      | 436                                 | 382                    | 378              | 540               | 715         | 47            |                 |     | 8/50           | L1    | BMS      |
| 1571         |                               | 379         | 426                         | 770                         | 849                   | 418                      | 438                                 | 401                    | 384              | 503               | 652         | 45            |                 | m   | 6/51           | L1    | TO       |
| 1578         |                               | 387         | 434                         | 768                         | 840                   | 430                      | 431                                 | 395                    | 382              | 666               | 777         | 46            |                 |     | 8/50           | L1    | BMS      |
| 1579         |                               | 384         | 449                         | 787                         | 859                   | 421                      | 450                                 | 408                    | 392              | 515               | 564         | 43            |                 | m   | 6/51           | L1    | WVC      |
| 1676         | 165                           | 393         | 446                         | 823                         | 908                   | 444                      | 470                                 | 395                    | 397              | 621               | 759         | 41            |                 | m   | 4/51           | L1    | TO       |

Table 10. Yellowfin from the Western Equatorial Pacific:  
Central Caroline

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventrals | Ins. Ventrals to<br>Ant. Edge Ventrals | Greatest Body<br>Depth | Length Pectoral | Height 1st Dorsal | Height anal | Diameter Int. | No. Gill Rakers | Sex | Month and Year | G-# | Remarks |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|---------------------------|--|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|-----|---------|
| 174          |        | 136         | 151                         | 261                         | 287                   | 153                       | 139                                    | 120                    | 147             | 58                | 53          | 24            |                 |     | 7/50           | L1  | BMS     |
| 504          |        | 141         | 161                         | 276                         | 299                   | 157                       | 150                                    | 136                    | 159             | 69                | 63          | 24            |                 |     | 6/50           | L1  | BMS     |
| 540          |        | 150         | 168                         | 291                         | 321                   | 167                       | 156                                    | 136                    | 171             | 73                | 68          | 25            |                 |     | 7/50           | P1  | BMS     |
| 571          |        | 166         | 176                         | 308                         | 336                   | 166                       | 156                                    | 141                    | 184             | 77                | 77          | 20            |                 |     | 7/50           | L1  | BMS     |
| 575          |        | 161         | 182                         | 314                         | 340                   | 177                       | 163                                    | 140                    | 174             | 80                | 79          | 27            |                 |     | 6/50           | L1  | BMS     |
| 581          |        | 164         | 184                         | 318                         | 358                   | 187                       | 174                                    | 134                    | 174             | 78                | 73          | 28            |                 |     | 6/50           | L1  | BMS     |
| 593          |        | 166         | 184                         | 321                         | 365                   | 187                       | 181                                    | 144                    | 182             | 82                | 76          | 32            |                 |     | 6/50           | L1  | BMS     |
| 606          |        | 168         | 187                         | 321                         | 357                   | 190                       | 175                                    | 148                    | 200             | 85                | 84          | 29            |                 |     | 7/50           | L1  | BMS     |
| 616          |        | 172         | 192                         | 335                         | 369                   | 191                       | 180                                    | 154                    | 195             | 88                | 90          | 29            |                 |     | 7/50           | L1  | BMS     |
| 622          | 10     | 177         | 194                         | 337                         | 374                   | 202                       | 175                                    | 157                    | 193             | 84                | 87          | 31            | 10/20           |     | 6/50           | L1  | BMS     |
| 636          |        | 177         | 199                         | 341                         | 377                   | 200                       | 188                                    | 161                    |                 | 98                | 71          | 28            |                 |     | 7/50           | L1  | BMS     |
| 637          |        | 180         | 199                         | 353                         | 394                   | 201                       | 191                                    | 160                    | 192             | 92                | 87          | 29            |                 |     | 6/50           | L1  | BMS     |
| 643          |        | 181         | 201                         | 351                         | 388                   | 209                       | 180                                    | 160                    | 201             | 90                | 84          | 30            |                 |     | 6/50           | L1  | BMS     |
| 645          |        | 183         | 199                         | 351                         | 390                   | 207                       | 192                                    | 162                    | 200             | 100               | 95          | 29            |                 |     | 6/50           | L1  | BMS     |
| 649          |        | 182         | 205                         | 351                         | 391                   | 207                       | 190                                    | 160                    | 215             | 98                | 10          | 30            |                 |     | 6/50           | L1  | BMS     |
| 667          |        | 189         | 204                         | 358                         | 396                   | 213                       | 192                                    | 162                    | 206             | 97                | 95          | 32            |                 |     | 7/50           | L1  | BMS     |
| 680          |        | 191         | 210                         | 366                         | 401                   | 205                       | 201                                    | 179                    | 219             | 109               | 104         | 30            |                 |     | 6/50           | L1  | BMS     |
| 682          |        | 192         | 210                         | 370                         | 407                   | 217                       | 195                                    | 162                    | 235             | 112               | 117         | 30            |                 |     | 6/50           | L1  | BMS     |
| 704          |        | 198         | 218                         | 379                         | 418                   | 225                       | 195                                    | 178                    | 220             | 115               | 118         | 31            |                 |     | 6/50           | L1  | BMS     |
| 707          |        | 192         | 210                         | 368                         | 408                   | 209                       | 207                                    | 169                    | 225             | 104               | 113         | 30            |                 |     | 12/50          | L1  | KE      |
| 707          |        | 196         | 220                         | 381                         | 415                   | 215                       | 206                                    | 180                    | 222             | 117               | 122         | 30            |                 |     | 7/50           | L1  | BMS     |
| 729          |        | 201         | 223                         | 386                         | 424                   | 232                       | 198                                    | 184                    | 238             | 121               | 131         | 31            |                 |     | 7/50           | L1  | BMS     |
| 732          |        | 199         | 225                         | 384                         | 439                   | 221                       | 217                                    | 161                    | 242             | 110               | 119         | 30            |                 |     | 12/50          | L1  | KE      |
| 737          |        | 201         | 223                         | 390                         | 429                   | 224                       | 209                                    | 178                    | 228             | 121               | 129         | 31            |                 |     | 7/50           | L1  | BMS     |
| 738          |        | 206         | 213                         | 383                         | 440                   | 245                       | 212                                    | 181                    | 238             | 115               | 117         | 30            |                 |     | 6/50           | L1  | BMS     |
| 742          |        | 207         | 225                         | 397                         | 439                   | 234                       | 217                                    | 181                    | 244             | 116               | 120         | 29            |                 |     | 6/50           | L1  | BMS     |
| 746          |        | 204         | 231                         | 402                         | 443                   | 235                       | 218                                    | 183                    | 245             | 113               | 122         | 35            |                 |     | 6/50           | L1  | BMS     |
| 750          |        | 207         | 229                         | 404                         | 449                   | 252                       | 219                                    | 186                    | 236             | 126               | 127         | 34            |                 |     | 6/50           | L1  | BMS     |
| 753          |        | 209         | 227                         | 393                         | 454                   | 245                       | 217                                    | 187                    | 240             | 124               | 134         | 33            |                 |     | 6/50           | L1  | BMS     |
| 756          |        | 207         | 226                         | 403                         | 446                   | 229                       | 219                                    | 184                    | 238             |                   | 134         | 31            |                 |     | 6/50           | L1  | BMS     |

Table 10. Yellowfin from the Western Equatorial Pacific:  
Central Carolines (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventrals to<br>Ant. Edge Vent | Greatest Body<br>Depth | Length Pectoral | Height Anal Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Color | Remarks |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|------------------------------------|------------------------|-----------------|--------------------|-------------|---------------|-----------------|-----|----------------|-------|---------|
| 757          |        | 209         | 228                         | 397                         | 448                   | 241                      | 214                                | 183                    | 236             | 129                | 125         | 33            |                 |     | 6/50           | L1    | BMS     |
| 761          |        | 202         | 220                         | 399                         | 440                   | 227                      | 220                                | 184                    | 243             | 124                | 132         | 32            |                 |     | 12/50          | L1    | KE      |
| 766          |        | 221         | 234                         | 416                         | 451                   | 237                      | 232                                | 196                    | 239             | 129                | 134         | 31            |                 |     | 6/50           | L1    | BMS     |
| 773          |        | 213         | 240                         | 406                         | 441                   | 234                      | 214                                | 193                    | 254             | 134                | 153         | 31            |                 |     | 6/50           | L1    | BMS     |
| 781          |        | 212         |                             | 404                         | 444                   | 239                      | 211                                | 186                    | 249             | 137                | 140         | 32            |                 |     | 7/50           | L1    | BMS     |
| 788          |        | 215         | 242                         | 416                         | 459                   | 242                      | 229                                | 198                    | 248             | 132                | 135         | 33            |                 |     | 7/50           | L1    | BMS     |
| 791          | 20     | 214         | 236                         | 417                         | 453                   | 240                      | 227                                | 197                    | 253             | 136                | 135         | 32            | 9/19            |     | 6/50           | L1    | BMS     |
| 801          |        | 214         | 238                         | 419                         | 461                   | 237                      | 238                                | 202                    | 269             | 156                | 169         | 33            |                 |     | 7/50           | L1    | BMS     |
| 807          |        | 220         | 241                         | 423                         | 473                   | 252                      | 237                                | 201                    | 262             | 135                | 148         | 32            |                 |     | 6/50           | L1    | BMS     |
| 814          |        | 220         | 240                         | 424                         | 479                   | 250                      | 231                                | 182                    | 243             | 144                | 149         | 32            |                 |     | 12/50          | L1    | KE      |
| 817          |        | 223         | 244                         | 427                         | 489                   | 256                      | 241                                | 197                    | 254             | 134                |             | 33            |                 |     | 6/50           | L1    | BMS     |
| 820          |        | 220         | 249                         | 434                         | 477                   | 247                      | 231                                | 204                    | 252             | 153                | 149         | 33            |                 |     | 7/50           | L1    | BMS     |
| 825          |        | 218         | 252                         | 436                         | 488                   | 252                      | 243                                | 198                    | 281             | 146                | 163         | 31            |                 |     | 6/50           | L1    | BMS     |
| 829          |        | 220         | 249                         | 431                         | 483                   | 254                      | 237                                | 198                    | 260             | 152                | 152         | 32            |                 |     | 6/50           | L1    | BMS     |
| 831          |        | 224         | 254                         | 430                         | 485                   | 248                      | 238                                | 195                    | 282             | 147                | 155         | 34            |                 |     | 6/50           | L1    | BMS     |
| 833          |        | 223         | 247                         | 433                         | 483                   | 253                      | 242                                | 200                    | 277             | 166                | 183         | 34            |                 |     | 7/50           | L1    | BMS     |
| 848          |        | 226         | 240                         | 429                         | 512                   | 293                      | 235                                | 221                    | 257             | 143                | 151         | 34            |                 |     | 6/50           | L1    | BMS     |
| 849          |        | 229         | 251                         | 438                         | 495                   | 262                      | 242                                | 201                    | 270             | 151                | 157         | 34            |                 |     | 7/50           | L1    | BMS     |
| 858          |        | 226         | 251                         | 444                         | 493                   | 250                      | 252                                | 212                    | 264             | 160                | 176         | 32            |                 |     | 7/50           | L1    | BMS     |
| 861          |        | 230         | 254                         | 443                         | 489                   | 260                      | 239                                | 212                    | 281             | 179                | 188         | 33            |                 |     | 7/50           | L1    | BMS     |
| 861          |        | 232         | 261                         | 453                         | 504                   | 265                      | 244                                | 231                    | 284             | 140                | 175         | 33            |                 |     | 6/50           | L1    | BMS     |
| 863          |        | 231         | 258                         | 459                         | 514                   | 266                      | 250                                | 212                    | 264             | 166                | 189         | 31            | 9/19            |     | 6/50           | L1    | BMS     |
| 866          |        | 230         | 252                         | 442                         | 497                   | 250                      | 246                                | 211                    | 276             | 154                | 162         | 33            |                 |     | 7/50           | L1    | BMS     |
| 874          |        | 238         | 261                         | 454                         | 507                   | 263                      | 246                                | 214                    | 278             | 163                | 173         | 33            |                 |     | 7/50           | L1    | BMS     |
| 875          |        | 233         | 260                         | 449                         | 503                   | 273                      | 246                                | 209                    | 285             | 186                | 192         | 35            |                 |     | 6/50           | L1    | BMS     |
| 879          |        | 234         | 258                         | 451                         | 517                   | 270                      | 253                                | 206                    | 284             | 174                | 177         | 31            |                 |     | 6/50           | L1    | BMS     |
| 882          |        | 241         | 263                         | 460                         | 506                   | 266                      | 250                                | 213                    | 272             | 156                | 181         | 33            |                 |     | 7/50           | L1    | BMS     |
| 893          |        | 240         | 265                         | 463                         | 492                   | 253                      | 246                                | 228                    | 302             | 178                | 203         | 32            |                 |     | 7/50           | L1    | BMS     |
| 900          |        | 240         | 268                         | 465                         | 507                   | 269                      | 246                                | 220                    | 269             | 160                | 173         | 35            |                 |     | 7/50           | L1    | BMS     |
| 909          |        | 245         | 279                         | 478                         | 532                   | 275                      | 259                                | 220                    | 277             | 174                | 171         | 56            |                 |     | 6/50           | L1    | BMS     |

Table 10 Yellowfin from the Western Equatorial Pacific  
Central Carolines (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventrals | Ins. Ventrals to<br>Ave. Edge Ventrals | Greatest Body<br>Depth | Length Pectorals | Height 1st Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Group | Remarks |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|---------------------------|--|------------------------|------------------|-------------------|-------------|---------------|-----------------|-----|----------------|-------|---------|
| 914          |        | 244         | 265                         | 470                         | 513                   | 273                       | 251                                    | 222                    | 295              | 181               | 192         | 34            |                 |     | 6/50           | L1    | BMS     |
| 915          |        | 243         | 272                         | 472                         | 522                   | 270                       | 262                                    | 218                    | 287              | 153               | 171         | 33            |                 |     | 7/50           | L1    | BMS     |
| 920          |        | 245         | 268                         | 478                         | 517                   | 281                       | 257                                    | 222                    | 268              | 167               | 180         | 37            |                 |     | 6/50           | L1    | BMS     |
| 920          |        | 246         | 270                         | 474                         | 520                   | 271                       | 248                                    | 226                    | 290              | 185               | 195         | 35            |                 |     | 6/50           | L1    | BMS     |
| 934          |        | 245         | 267                         | 468                         | 529                   | 274                       | 264                                    | 224                    | 305              | 186               | 192         | 34            |                 |     | 7/50           | L1    | BMS     |
| 941          |        | 243         | 278                         | 482                         | 531                   | 274                       | 263                                    | 220                    | 288              | 197               | 205         | 33            |                 |     | 6/50           | L1    | BMS     |
| 941          |        | 244         | 263                         | 476                         | 526                   | 273                       | 265                                    | 224                    | 310              | 188               | 201         | 34            |                 |     | 7/50           | L1    | BMS     |
| 948          |        | 254         | 276                         | 491                         | 541                   | 280                       | 273                                    | 221                    | 285              | 187               | 198         | 35            |                 |     | 7/50           | L1    | BMS     |
| 949          |        | 249         | 282                         | 488                         | 549                   | 293                       | 271                                    | 223                    | 297              | 187               | 198         | 36            |                 |     | 6/50           | L1    | BMS     |
| 958          |        | 254         | 283                         | 495                         | 541                   | 280                       | 268                                    | 225                    | 293              | 185               | 209         | 33            |                 |     | 7/50           | L1    | BMS     |
| 960          |        | 249         | 271                         | 492                         | 555                   | 290                       | 273                                    | 235                    | 281              | 181               | 201         | 34            |                 |     | 12/50          | L1    | KE      |
| 963          |        | 249         | 275                         | 492                         | 542                   | 281                       | 271                                    | 229                    | 300              | 162               | 179         | 34            |                 |     | 6/50           | L1    | BMS     |
| 967          |        | 257         | 285                         | 498                         | 547                   | 286                       | 275                                    | 234                    | 289              | 201               | 221         | 35            |                 |     | 12/50          | L1    | KE      |
| 975          |        | 252         | 285                         | 486                         | 539                   | 280                       | 271                                    | 241                    | 280              | 194               | 218         | 34            |                 |     | 7/50           | L1    | BMS     |
| 983          |        | 259         | 286                         | 507                         | 558                   | 293                       | 272                                    | 227                    | 275              | 199               | 233         | 37            |                 |     | 7/50           | L1    | BMS     |
| 985          |        | 257         | 281                         | 492                         | 552                   | 287                       | 275                                    | 227                    | 300              | 193               | 212         | 36            |                 |     | 7/50           | L1    | BMS     |
| 993          |        | 260         | 281                         | 498                         | 559                   | 293                       | 281                                    | 236                    | 296              | 205               | 230         | 36            |                 |     | 7/50           | L1    | BMS     |
| 997          |        | 252         | 285                         | 505                         | 563                   | 281                       | 298                                    | 230                    | 314              | 202               | 224         | 33            |                 |     | 7/50           | L1    | BMS     |
| 999          |        | 256         | 294                         | 512                         | 560                   | 286                       | 279                                    | 235                    | 319              | 247               | 260         | 35            |                 |     | 6/50           | L1    | BMS     |
| 1002         | 36     | 259         | 275                         | 510                         | 560                   | 293                       | 275                                    | 233                    | 293              | 207               | 214         | 34            | 8719            |     | 6/50           | L1    | BMS     |
| 1002         |        | 264         | 295                         | 522                         | 562                   | 296                       | 270                                    | 241                    | 325              | 208               | 245         | 34            |                 |     | 6/50           | L1    | BMS     |
| 1004         |        | 259         | 291                         | 511                         | 565                   | 289                       | 282                                    | 240                    | 312              | 203               | 214         | 36            |                 |     | 6/50           | L1    | BMS     |
| 1005         |        | 261         | 286                         | 512                         | 565                   | 294                       | 285                                    | 230                    | 291              | 193               | 222         | 34            |                 |     | 6/50           | L1    | BMS     |
| 1007         |        | 263         | 287                         | 511                         | 560                   | 290                       | 277                                    | 238                    | 315              | 204               | 216         | 34            |                 | W   | 7/50           | L1    | BMS     |
| 1008         |        | 259         | 288                         | 521                         | 555                   | 287                       | 275                                    | 237                    | 314              | 246               | 267         | 35            |                 |     | 7/50           | L1    | BMS     |
| 1008         |        | 265         | 298                         | 513                         | 570                   | 294                       | 288                                    | 247                    | 327              | 218               | 251         | 36            |                 |     | 6/50           | L1    | BMS     |
| 1015         |        | 263         | 289                         | 519                         | 570                   | 302                       | 275                                    | 244                    | 311              | 192               | 205         | 35            |                 |     | 7/50           | L1    | BMS     |
| 1022         |        | 270         | 294                         | 533                         | 592                   | 312                       | 285                                    | 258                    | 340              | 233               | 284         | 34            |                 |     | 6/50           | L1    | BMS     |
| 1025         |        | 259         | 290                         | 530                         | 562                   | 287                       | 285                                    | 244                    | 298              | 214               | 238         | 34            |                 |     | 7/50           | L1    | BMS     |
| 1026         |        | 264         | 284                         | 509                         | 574                   | 297                       | 287                                    | 236                    | 321              | 223               | 247         | 35            |                 |     | 6/50           | L1    | BMS     |

Table 10. Yellowfin from the Western Equatorial Pacific:  
Central Carolines (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventrals to<br>Ant. Edge Vent | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|------------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 1031         | 43     | 264         | 285                         | 510                         | 574                   | 293                      | 288                                | 241                    | 307             | 234               | 258         | 34            | 8/20            |     | 7/50           | L1   | BMS      |
| 1032         |        | 267         | 290                         | 517                         | 567                   | 294                      | 280                                | 245                    | 316             | 191               | 236         | 35            |                 |     | 6/50           | L1   | BMS      |
| 1037         |        | 271         | 294                         | 523                         | 591                   | 300                      | 297                                | 237                    | 340             | 257               | 263         | 36            |                 |     | 6/50           | L1   | BMS      |
| 1043         |        | 274         | 301                         | 524                         | 582                   | 301                      | 290                                | 253                    | 306             | 202               | 237         | 35            |                 |     | 7/50           | L1   | BMS      |
| 1047         |        | 269         | 296                         | 524                         | 593                   | 305                      | 295                                | 251                    | 318             | 222               | 245         | 34            |                 |     | 6/50           | L1   | BMS      |
| 1047         |        | 274         | 299                         | 512                         | 583                   | 309                      | 285                                | 246                    | 311             | 199               | 222         | 37            |                 |     | 6/50           | L1   | BMS      |
| 1053         |        | 268         | 302                         | 535                         | 585                   | 300                      | 290                                | 255                    | 333             | 241               | 269         | 35            |                 |     | 7/50           | L1   | BMS      |
| 1055         |        | 269         | 298                         |                             | 578                   | 301                      | 287                                | 246                    | 313             | 241               | 255         | 35            |                 |     | 7/50           | L1   | BMS      |
| 1059         |        | 271         | 307                         | 526                         | 586                   | 303                      | 297                                | 246                    | 310             | 232               | 272         | 36            |                 |     | 6/50           | L1   | BMS      |
| 1060         |        | 269         | 287                         | 523                         | 580                   | 294                      | 305                                | 238                    | 308             | 194               | 214         | 34            |                 |     | 6/50           | L1   | BMS      |
| 1060         |        | 272         | 295                         | 534                         | 586                   | 299                      | 298                                | 239                    | 318             | 240               | 260         | 36            |                 |     | 7/50           | L1   | BMS      |
| 1064         |        | 270         | 298                         | 544                         | 615                   | 327                      | 297                                | 247                    | 309             | 245               | 245         | 35            |                 |     | 6/50           | L1   | BMS      |
| 1067         |        | 271         | 293                         | 528                         | 593                   | 303                      | 305                                | 245                    | 316             | 230               | 268         | 35            |                 |     | 7/50           | L1   | BMS      |
| 1067         |        | 279         | 308                         | 547                         | 600                   | 306                      | 301                                | 246                    | 312             | 259               | 234         | 38            |                 |     | 6/50           | L1   | BMS      |
| 1068         |        | 280         | 312                         | 559                         | 613                   | 322                      | 299                                | 255                    | 298             | 227               | 241         | 39            |                 |     | 6/50           | L1   | BMS      |
| 1069         |        | 271         | 300                         | 533                         | 613                   | 298                      | 318                                | 255                    | 314             | 241               | 245         | 38            |                 |     | 6/50           | L1   | BMS      |
| 1069         |        | 277         | 301                         | 541                         | 598                   | 312                      | 298                                | 261                    | 330             | 267               | 288         | 35            |                 |     | 7/50           | L1   | BMS      |
| 1074         |        | 279         | 304                         | 540                         | 607                   | 321                      | 301                                | 259                    | 328             | 255               | 312         | 36            |                 |     | 6/50           | L1   | BMS      |
| 1078         |        | 276         | 307                         | 535                         | 610                   | 307                      | 313                                | 240                    | 320             | 233               | 256         | 35            |                 |     | 7/50           | L1   | BMS      |
| 1086         |        | 270         | 300                         | 539                         | 595                   | 299                      | 306                                | 250                    | 320             | 272               | 308         | 35            |                 |     | 6/50           | L1   | BMS      |
| 1090         |        | 287         | 300                         | 545                         | 605                   | 341                      | 291                                | 251                    | 315             | 255               | 269         | 37            |                 |     | 6/50           | L1   | BMS      |
| 1099         |        | 281         | 308                         | 549                         | 600                   | 316                      | 297                                | 261                    | 334             | 237               | 279         | 35            |                 |     | 7/50           | L1   | BMS      |
| 1100         |        | 282         | 310                         | 556                         | 616                   | 325                      | 301                                | 260                    | 347             | 248               | 288         | 36            |                 |     | 7/50           | L1   | BMS      |
| 1102         |        | 288         | 323                         | 567                         | 604                   | 322                      | 296                                | 267                    | 325             | 252               | 275         | 35            |                 |     | 7/50           | L1   | BMS      |
| 1104         |        | 285         | 310                         | 565                         | 607                   | 319                      | 303                                | 262                    | 316             | 256               | 282         | 37            |                 |     | 6/50           | L1   | BMS      |
| 1105         |        | 280         | 315                         | 560                         | 613                   | 315                      | 308                                | 271                    | 319             | 295               | 311         |               |                 |     | 7/50           | L1   | BMS      |
| 1108         |        | 288         | 316                         | 558                         | 622                   | 318                      | 312                                | 271                    | 313             | 268               | 300         | 36            |                 |     | 6/50           | L1   | BMS      |
| 1109         |        | 279         | 305                         | 550                         | 608                   | 312                      | 314                                | 258                    | 332             | 297               | 317         | 37            |                 |     | 7/50           | L1   | BMS      |
| 1113         |        | 281         | 310                         | 562                         | 623                   | 316                      | 311                                | 267                    | 353             | 242               | 259         | 37            |                 |     | 6/50           | L1   | BMS      |
| 1113         |        | 290         | 323                         | 559                         | 609                   | 320                      | 299                                | 265                    | 344             | 260               | 293         | 38            |                 |     | 7/50           | L1   | BMS      |

Table 10. Yellowfin from the Western Equatorial Pacific:  
Central Carolines (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventrals to<br>Ant. Edge Vent | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|------------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 1115         |        | 282         | 312                         | 559                         | 621                   | 315                      | 319                                | 263                    | 353             | 265               | 307         | 37            |                 |     | 7/50           | L1   | BMS      |
| 1120         |        | 285         | 313                         | 567                         | 621                   | 316                      | 314                                | 264                    | 330             | 269               | 302         | 36            |                 |     | 7/50           | L1   | BMS      |
| 1123         |        | 283         | 327                         | 574                         | 623                   | 321                      | 314                                | 273                    | 321             | 288               | 320         | 37            |                 |     | 6/50           | L1   | BMS      |
| 1123         |        | 284         | 315                         | 563                         | 627                   | 318                      | 319                                | 271                    | 313             | 257               | 247         | 35            |                 |     | 6/50           | L1   | BMS      |
| 1128         |        | 285         | 322                         | 566                         | 626                   | 326                      | 318                                | 268                    | 337             | 257               | 316         | 36            |                 |     | 6/50           | L1   | BMS      |
| 1130         |        | 287         | 320                         | 583                         | 632                   | 324                      | 310                                | 266                    | 327             | 246               | 282         | 36            |                 |     | 6/50           | L1   | BMS      |
| 1130         |        | 291         | 318                         | 576                         | 643                   | 323                      | 330                                | 276                    | 337             | 271               | 322         | 36            |                 |     | 7/50           | L1   | BMS      |
| 1133         |        | 284         | 313                         | 568                         | 636                   | 320                      | 335                                | 269                    | 330             | 261               | 314         | 37            |                 |     | 7/50           | L1   | BMS      |
| 1134         |        | 286         | 322                         | 580                         | 632                   | 321                      | 320                                | 270                    | 333             | 326               | 358         | 37            |                 |     | 7/50           | L1   | BMS      |
| 1134         |        | 288         | 320                         | 571                         | 623                   | 323                      | 313                                | 270                    | 346             | 271               | 296         | 37            |                 |     | 7/50           | L1   | BMS      |
| 1142         |        | 289         | 320                         | 569                         | 627                   | 325                      | 311                                | 269                    | 341             | 306               | 353         | 39            |                 |     | 7/50           | L1   | BMS      |
| 1144         |        | 298         | 335                         | 578                         | 624                   | 325                      | 304                                | 287                    | 332             | 331               | 352         | 38            |                 |     | 7/50           | L1   | BMS      |
| 1148         |        | 295         | 338                         | 579                         | 627                   | 328                      | 304                                | 280                    | 332             | 315               | 355         | 39            |                 |     | 6/50           | L1   | BMS      |
| 1168         |        | 302         | 328                         | 582                         | 656                   | 351                      | 315                                | 281                    | 332             | 287               | 304         | 38            |                 |     | 6/50           | L1   | BMS      |
| 1170         |        | 300         | 321                         | 572                         | 675                   | 354                      | 342                                | 267                    | 347             | 280               | 328         | 39            |                 |     | 6/50           | L1   | BMS      |
| 1183         |        | 303         | 338                         | 597                         | 659                   | 340                      | 329                                | 295                    | 347             | 334               | 371         | 38            |                 |     | 7/50           | L1   | BMS      |
| 1189         |        | 307         | 349                         | 614                         | 653                   | 344                      | 316                                | 291                    | 314             | 351               | 397         | 39            |                 | f   | 7/50           | L1   | BMS      |
| 1192         |        | 302         | 333                         | 595                         | 656                   | 327                      | 326                                | 289                    | 352             | 334               | 374         | 38            |                 |     | 6/50           | L1   | BMS      |
| 1196         |        | 301         | 337                         | 593                         | 660                   | 338                      | 333                                | 288                    | 343             | 349               | 417         | 39            |                 |     | 7/50           | L1   | BMS      |
| 1202         |        | 301         | 341                         | 611                         | 672                   | 339                      | 345                                | 291                    | 340             | 375               | 409         | 40            |                 |     | 7/50           | L1   | BMS      |
| 1204         |        | 324         | 350                         | 634                         | 680                   | 351                      | 334                                | 319                    | 339             | 461               | 538         | 42            |                 |     | 6/50           | L1   | BMS      |
| 1206         |        | 301         | 340                         | 602                         | 673                   | 342                      | 337                                | 294                    | 325             | 271               | 379         | 37            |                 | m   | 7/50           | L1   | BMS      |
| 1207         |        | 333         | 372                         | 661                         | 726                   | 374                      | 388                                | 321                    | 374             | 484               | 524         | 42            |                 |     | 7/50           | L1   | BMS      |
| 1210         |        | 304         | 341                         | 606                         | 654                   | 341                      | 324                                | 291                    | 341             | 350               | 407         | 37            |                 |     | 7/50           | L1   | BMS      |
| 1215         |        | 296         | 336                         | 608                         | 660                   | 328                      | 340                                | 276                    | 343             | 227               | 325         | 38            |                 |     | 7/50           | L1   | BMS      |
| 1232         |        | 316         | 342                         | 619                         | 689                   | 359                      | 346                                | 293                    | 348             | 359               | 386         | 39            |                 |     | 6/50           | L1   | BMS      |
| 1235         |        | 301         | 330                         | 609                         | 661                   | 340                      | 332                                | 294                    | 340             | 309               | 374         | 38            |                 |     | 6/50           | L1   | BMS      |
| 1238         |        | 312         | 349                         | 630                         | 700                   | 363                      | 340                                | 301                    | 326             | 368               | 404         | 37            |                 |     | 6/50           | L1   | BMS      |
| 1250         |        | 316         | 350                         | 622                         | 680                   | 353                      | 337                                | 313                    | 371             | 361               | 390         | 38            |                 |     | 6/50           | L1   | BMS      |
| 1251         |        | 313         | 344                         | 621                         | 677                   | 341                      | 344                                | 302                    | 338             | 359               | 402         | 38            |                 |     | 7/50           | L1   | BMS      |



Table 10. Yellowfin from the Western Equatorial Pacific:  
Central Carolines (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventrals to<br>Ant. Edge Vent | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examinee |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|------------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 1251         |        | 315         | 345                         | 620                         | 683                   | 352                      | 341                                | 314                    | 356             | 321               | 447         | 40            |                 |     | 7/50           | L1   | BMS      |
| 1251         |        | 319         | 358                         | 630                         | 691                   | 364                      | 341                                | 333                    | 341             | 397               | 490         | 42            |                 |     | 6/50           | L1   | BMS      |
| 1254         |        | 317         | 348                         | 629                         | 712                   | 375                      | 342                                | 316                    | 342             | 356               | 425         | 40            |                 |     | 6/50           | L1   | BMS      |
| 1263         |        | 314         | 352                         | 627                         | 700                   | 338                      | 369                                | 303                    | 354             | 359               | 410         | 39            |                 |     | 6/50           | L1   | BMS      |
| 1265         |        | 308         | 344                         | 638                         | 707                   | 358                      | 348                                | 296                    | 341             | 289               | 291         | 41            |                 |     | 6/50           | L1   | BMS      |
| 1265         |        | 315         | 365                         | 630                         | 686                   | 347                      | 360                                | 317                    | 330             | 282               | 448         | 42            |                 |     | 6/50           | L1   | BMS      |
| 1265         |        | 324         | 347                         | 630                         | 708                   | 388                      | 343                                | 317                    | 360             | 427               | 448         | 41            |                 |     | 6/50           | L1   | BMS      |
| 1266         |        | 307         | 352                         | 623                         | 685                   | 338                      | 350                                | 305                    | 357             | 322               | 399         | 38            |                 |     | 7/50           | L1   | BMS      |
| 1272         |        | 319         | 355                         | 635                         | 701                   | 366                      | 350                                | 317                    | 333             | 338               | 464         | 41            |                 |     | 7/50           | L1   | BMS      |
| 1272         |        | 328         | 368                         | 644                         | 701                   | 358                      | 358                                | 333                    | 371             | 425               | 473         | 40            |                 |     | 7/50           | L1   | BMS      |
| 1276         |        | 316         | 352                         | 632                         | 691                   | 354                      | 353                                | 312                    | 347             | 388               | 454         | 40            |                 |     | 6/50           | L1   | BMS      |
| 1276         |        | 321         | 357                         | 624                         | 711                   | 362                      | 354                                | 321                    | 354             | 460               | 550         | 39            |                 |     | 6/50           | L1   | BMS      |
| 1276         |        | 324         | 368                         | 637                         | 703                   | 358                      | 357                                | 323                    | 355             | 401               | 457         | 42            |                 |     | 7/50           | L1   | BMS      |
| 1280         |        | 321         | 353                         | 627                         | 683                   | 354                      | 342                                | 322                    | 365             | 388               | 446         | 40            |                 |     | 6/50           | L1   | BMS      |
| 1290         |        | 323         | 359                         | 639                         | 709                   | 367                      | 358                                | 321                    | 374             | 429               | 531         | 39            |                 |     | 7/50           | L1   | BMS      |
| 1290         |        | 333         | 354                         | 640                         | 738                   | 401                      | 346                                | 316                    | 364             | 322               | 378         | 39            |                 |     | 6/50           | L1   | BMS      |
| 1292         |        | 328         | 370                         | 646                         | 712                   | 367                      | 356                                | 324                    | 345             | 379               | 438         | 40            |                 |     | 7/50           | L1   | BMS      |
| 1293         |        | 325         | 355                         | 637                         | 715                   | 370                      | 349                                | 309                    | 355             | 410               | 449         | 40            |                 |     | 6/50           | L1   | BMS      |
| 1294         |        | 318         | 353                         | 633                         | 695                   | 358                      | 352                                | 308                    | 351             | 386               | 423         | 39            |                 | f   | 7/50           | L1   | BMS      |
| 1294         |        | 320         | 359                         | 650                         | 701                   | 358                      | 346                                | 301                    | 348             | 377               | 410         | 40            |                 |     | 6/50           | L1   | BMS      |
| 1297         |        | 324         | 346                         | 644                         | 703                   | 365                      | 350                                | 311                    | 360             | 349               | 418         | 38            |                 |     | 7/50           | L1   | BMS      |
| 1299         |        | 317         | 343                         | 628                         | 733                   | 380                      | 366                                | 317                    | 351             | 352               | 391         | 39            |                 |     | 6/50           | L1   | BMS      |
| 1301         |        | 319         | 354                         | 651                         | 708                   | 366                      | 341                                | 319                    | 366             | 307               | 429         | 40            |                 |     | 6/50           | L1   | BMS      |
| 1301         |        | 321         | 370                         | 628                         | 709                   | 357                      | 368                                | 312                    | 373             | 396               | 440         | 41            |                 |     | 7/50           | L1   | BMS      |
| 1301         |        | 332         | 358                         | 644                         | 725                   | 375                      | 368                                | 398                    | 356             | 401               | 517         | 41            |                 |     | 6/50           | L1   | BMS      |
| 1311         |        | 329         | 364                         | 655                         | 718                   | 364                      | 370                                | 336                    | 351             | 471               | 531         | 42            |                 |     | 7/50           | L1   | BMS      |
| 1313         |        | 328         | 355                         | 657                         | 716                   | 375                      | 343                                | 312                    | 339             | 344               | 400         | 39            |                 |     | 6/50           | L1   | BMS      |
| 1314         |        | 325         | 378                         | 651                         | 718                   | 358                      | 373                                | 328                    | 375             | 351               | 401         | 37            |                 |     | 6/50           | L1   | BMS      |
| 1317         |        | 328         | 359                         | 653                         | 725                   | 377                      | 337                                | 320                    | 385             | 395               | 455         | 42            |                 |     | 6/50           | L1   | BMS      |
| 1318         |        | 332         | 363                         | 661                         | 737                   | 372                      | 377                                | 322                    | 359             | 386               | 442         | 40            |                 | m   | 6/50           | L1   | BMS      |

Table 10. Yellowfin from the Equatorial Pacific:  
Central Caroline (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Edge Vent | Snout to Base<br>of P. Fin | Snout to Base<br>of A. Fin | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Mouth And Year | Group | Remarks |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|-----------------------------------|----------------------------|----------------------------|-------------|---------------|-----------------|-----|----------------|-------|---------|
| 1318         |        | 332         | 374                         | 666                         | 727                   | 370                      | 360                               | 314                        | 341                        | 365         | 524           | 38              |     | 6/50           | L1    | BMS     |
| 1320         |        | 328         | 372                         | 653                         | 715                   | 369                      | 368                               | 333                        | 368                        | 462         | 593           | 43              |     | 6/50           | L1    | BMS     |
| 1325         |        | 329         | 352                         | 661                         | 741                   | 364                      | 375                               | 330                        | 358                        | 452         | 489           | 40              |     | 12/50          | L1    | KE      |
| 1326         |        | 385         | 378                         | 698                         | 810                   | 456                      | 392                               | 376                        | 377                        | 223         | 206           | 51              | m   | 6/50           | L1    | BMS     |
| 1335         |        | 327         | 368                         | 662                         | 727                   | 371                      | 365                               | 332                        | 366                        | 435         | 509           | 41              | m   | 7/50           | L1    | BMS     |
| 1335         |        | 334         | 361                         | 665                         | 729                   | 375                      | 364                               | 315                        | 368                        | 417         | 441           | 41              |     | 6/50           | L1    | BMS     |
| 1335         |        | 334         | 382                         | 671                         | 742                   | 380                      | 362                               | 318                        | 355                        | 310         | 464           | 40              |     | 6/50           | L1    | BMS     |
| 1335         |        | 336         | 369                         | 663                         | 733                   | 378                      | 369                               | 337                        | 352                        | 390         | 571           | 42              |     | 7/50           | L1    | BMS     |
| 1340         |        | 324         | 363                         | 660                         | 735                   | 370                      | 386                               | 330                        | 347                        | 481         | 542           | 41              | f   | 6/50           | L1    | BMS     |
| 1344         |        | 334         | 378                         | 669                         | 725                   | 370                      | 357                               | 345                        | 368                        | 457         | 490           | 42              |     | 6/50           | L1    | BMS     |
| 1344         |        | 340         | 372                         | 681                         | 737                   | 374                      | 364                               | 339                        | 356                        | 433         | 453           | 42              | m   | 4/51           | L1    | TO      |
| 1349         |        | 358         | 364                         | 663                         | 749                   | 372                      | 398                               | 349                        | 342                        | 431         | 542           | 42              |     | 7/50           | L1    | BMS     |
| 1353         |        | 344         | 372                         | 669                         | 751                   | 381                      | 387                               | 333                        | 375                        | 412         | 563           | 43              | m   | 6/50           | L1    | BMS     |
| 1366         |        | 342         | 366                         | 680                         | 762                   | 405                      | 361                               | 321                        | 382                        | 417         | 484           | 42              |     | 6/50           | L1    | BMS     |
| 1387         |        | 363         | 392                         | 703                         | 777                   | 416                      | 354                               | 347                        | 367                        | 379         | 636           | 44              | m   | 6/50           | L1    | BMS     |
| 1395         |        | 359         | 367                         | 679                         | 764                   | 440                      | 366                               | 346                        | 392                        | 657         | 698           | 43              | m   | 6/50           | L1    | BMS     |
| 1405         |        | 345         | 376                         | 681                         | 765                   | 398                      | 386                               | 356                        | 340                        | 453         | 535           | 42              | m   | 7/50           | L1    | BMS     |
| 1406         |        | 348         | 388                         | 679                         | 752                   | 388                      | 382                               | 319                        | 367                        | 511         | 507           | 44              | m   | 6/50           | L1    | BMS     |
| 1409         |        | 355         | 388                         | 605                         | 772                   | 399                      | 383                               | 353                        | 372                        | 493         | 593           | 43              |     | 7/50           | L1    | BMS     |
| 1419         |        | 353         | 382                         | 703                         | 796                   | 396                      | 405                               | 348                        | 358                        | 481         | 530           | 41              | m   | 6/50           | L1    | BMS     |
| 1420         |        | 345         | 378                         | 689                         | 774                   | 390                      | 394                               | 349                        | 367                        | 561         | 549           | 43              | m   | 7/50           | L1    | BMS     |
| 1427         |        | 355         | 376                         | 692                         | 787                   | 407                      | 405                               | 352                        | 368                        | 471         | 521           | 42              |     | 6/50           | L1    | BMS     |
| 1427         |        | 348         | 390                         | 711                         | 794                   | 393                      | 414                               | 362                        | 375                        | 572         | 578           | 43              | f   | 6/50           | L1    | BMS     |
| 1446         |        | 375         | 400                         | 722                         | 798                   | 411                      | 412                               | 345                        | 393                        | 518         | 544           | 45              | f   | 7/50           | L1    | BMS     |
| 1450         |        | 359         | 382                         | 713                         | 800                   | 418                      | 401                               | 356                        | 356                        | 522         | 691           | 43              | m   | 6/50           | L1    | BMS     |
| 1450         |        | 370         | 397                         | 710                         | 811                   | 430                      | 402                               | 364                        | 351                        | 581         | 705           | 47              |     | 7/50           | L1    | BMS     |
| 1459         |        | 399         | 407                         | 758                         | 848                   | 450                      | 414                               | 399                        | 383                        | 619         | 711           | 44              |     | 7/50           | L1    | BMS     |
| 1485         |        | 388         | 406                         | 746                         | 856                   | 452                      | 436                               | 389                        | 357                        | 474         | 519           | 44              | f   | 6/50           | L1    | BMS     |
| 1486         |        | 371         | 410                         | 752                         | 821                   | 410                      | 418                               | 372                        | 375                        | 660         | 723           | 46              |     | 6/50           | L1    | BMS     |
| 1517         |        | 382         | 422                         | 743                         | 825                   | 413                      | 425                               | 383                        | 355                        | 476         | 680           | 46              | m   | 7/50           | L1    | BMS     |
| 1528         |        | 383         | 418                         | 774                         | 821                   | 431                      | 403                               | 386                        | 387                        | 538         | 680           | 46              |     | 6/50           | L1    | BMS     |

Table 11. Yellowfin from the Western Equatorial Pacific:  
Western Carolines

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventrals to<br>Ant. Edge Vent | Greater Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|------------------------------------|-----------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 664          | 12     | 179         | 208                         | 359                         | 391                   | 205                      | 190                                | 176                   | 201             | 93                | 98          | 30            | 9/21            | f   | 12/50          | L1   | KE       |
| 677          |        | 185         | 211                         | 366                         | 406                   | 213                      | 188                                | 171                   | 206             | 99                | 92          | 30            |                 |     | 12/50          | L1   | KE       |
| 753          |        | 209         | 235                         | 405                         | 435                   | 232                      | 217                                | 192                   | 236             | 118               | 120         | 33            |                 |     | 12/50          | L1   | KE       |
| 845          |        | 220         | 252                         | 441                         | 483                   | 243                      | 237                                | 197                   | 248             | 139               | 159         | 32            |                 |     | 12/50          | L1   | KE       |
| 945          |        | 245         | 271                         | 485                         | 534                   | 274                      | 257                                | 210                   | 289             | 165               | 183         | 34            |                 |     | 3/51           | L1   | TO       |
| 958          | 34     | 243         | 281                         | 484                         | 544                   | 272                      | 273                                | 237                   | 319             | 200               | 250         | 35            | 10/20           |     | 12/50          | L1   | KE       |
| 975          | 31     | 260         | 288                         | 502                         | 553                   | 283                      | 537                                | 230                   | 289             | 198               | 242         | 36            |                 |     | 12/50          | L1   | KE       |
| 1128         |        | 283         | 319                         | 559                         | 634                   | 326                      | 308                                | 257                   | 336             | 248               | 297         | 37            |                 |     | 12/50          | L1   | KE       |
| 1160         |        | 300         | 328                         | 584                         | 666                   | 335                      | 341                                | 271                   | 331             | 283               | 325         | 37            |                 |     | 12/50          | L1   | KE       |
| 1203         |        | 304         | 332                         | 603                         | 673                   | 342                      | 339                                | 281                   | 335             | 273               | 341         | 39            |                 |     | 12/50          | L1   | KE       |
| 1211         |        | 301         | 338                         | 603                         | 688                   | 337                      | 346                                | 292                   | 342             | 316               | 340         | 37            |                 |     | 12/50          | L1   | KE       |
| 1241         |        | 316         | 349                         | 632                         | 697                   | 360                      | 348                                | 293                   | 336             | 366               | 430         | 42            |                 |     | 12/50          | L1   | KE       |
| 1258         |        | 307         | 343                         | 600                         | 693                   | 339                      | 369                                | 301                   | 357             | 386               | 441         | 41            |                 |     | 12/50          | L1   | KE       |
| 1279         |        | 319         | 342                         | 640                         | 711                   | 367                      | 345                                | 319                   | 354             | 335               | 386         | 38            |                 |     | 12/50          | L1   | KE       |
| 1283         |        | 325         | 353                         | 643                         | 719                   | 370                      | 353                                | 311                   | 359             | 395               | 429         | 41            |                 |     | 12/50          | L1   | KE       |
| 1293         |        | 315         | 361                         | 653                         | 737                   | 367                      | 369                                | 302                   | 357             | 375               | 441         | 41            |                 |     | 12/50          | L1   | KE       |
| 1372         |        | 336         | 380                         | 687                         | 777                   | 401                      | 392                                | 347                   | 377             | 510               | 591         | 39            |                 |     | 12/50          | L1   | KE       |

Table 12. Yellowfin from the North Central Pacific:  
Hawaiian Islands

|     |     |    |    |     |     |    |    |    |    |    |    |    |       |  |       |    |     |
|-----|-----|----|----|-----|-----|----|----|----|----|----|----|----|-------|--|-------|----|-----|
| 241 | .49 | 67 | 76 | 133 |     | 76 | 69 | 56 | 49 | 20 |    | 14 | 9/20  |  | 12/51 | P1 | HY  |
| 250 | .62 | 76 | 81 | 140 | 150 | 83 |    | 62 | 53 | 21 | 20 | 15 | 9/21  |  | 11/49 | Tr | HLM |
| 253 | .62 | 70 | 78 | 136 | 157 | 81 | 77 |    | 55 | 23 | 19 | 15 | 8/20  |  | 12/51 | P1 | HY  |
| 255 | .62 | 71 | 79 | 139 | 158 | 81 | 76 | 64 | 56 | 23 | 20 | 14 | 11/20 |  | 12/51 | P1 | HY  |
| 259 | .65 | 72 | 81 | 142 | 160 | 83 | 81 | 66 | 54 | 21 | 20 | 15 | 11/21 |  | 12/51 | P1 | HY  |
| 260 | .60 | 72 | 78 | 136 |     |    |    |    | 58 | 23 |    | 15 | 9/22  |  | 12/51 | P1 | HY  |
| 260 | .65 | 73 | 81 | 145 | 160 | 82 | 79 | 63 | 59 | 22 | 21 | 15 | 9/20  |  | 12/51 | P1 | HY  |
| 262 | .68 | 70 | 82 | 145 | 158 | 79 | 77 | 68 | 56 | 20 | 20 | 14 | 10/20 |  | 12/51 | P1 | HY  |
| 262 | .67 | 73 | 82 | 143 | 163 | 82 | 83 |    | 57 | 22 | 20 | 15 |       |  | 12/51 | P1 | HY  |
| 264 | .73 | 72 | 83 | 146 | 166 | 84 | 86 | 68 | 57 | 24 | 20 | 15 | 10/22 |  | 12/51 | P1 | HY  |

Table 12 Yellowfin from the North Central Pacific:  
Hawaiian Islands (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventrals to<br>Ant. Edge Vent | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|------------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 265          | .71    | 71          | 83                          | 145                         | 164                   | 84                       | 81                                 | 67                     | 57              | 24                | 20          | 15            | 8/22            |     | 12/51          | Pl   | HY       |
| 265          | .74    | 74          | 85                          | 148                         | 166                   | 83                       | 81                                 |                        |                 | 22                | 22          | 15            | 9/21            |     | 12/51          | Pl   | III      |
| 269          | .73    | 73          | 83                          | 147                         | 166                   | 84                       | 82                                 | 68                     | 57              | 25                | 21          | 14            | 9/22            |     | 12/51          | Pl   | HY       |
| 271          | .76    | 76          | 83                          | 149                         | 170                   | 88                       | 84                                 | 71                     | 65              | 26                | 23          | 15            | 9/22            |     | 12/51          | Pl   | III      |
| 274          | .80    | 76          | 85                          | 151                         | 166                   | 87                       | 77                                 | 72                     | 66              | 27                | 22          | 15            | 8/21            |     | 12/51          | Pl   | HY       |
| 282          |        | 79          | 87                          | 152                         | 170                   | 91                       | 81                                 | 70                     | 66              | 28                | 25          | 15            | 8/21            |     | 9/51           | Tr   | WMM      |
| 284          | .90    | 78          | 89                          | 159                         | 178                   | 89                       | 89                                 | 73                     | 65              | 26                | 21          | 16            | 8/21            |     | 12/51          | Pl   | III      |
| 286          | .96    | 79          | 89                          | 157                         | 177                   | 89                       | 87                                 | 76                     | 67              | 26                | 25          | 16            | 9/22            |     | 12/51          | Pl   | HY       |
| 294          | .98    | 83          | 92                          | 165                         | 182                   | 94                       | 88                                 | 74                     | 70              | 25                | 22          | 16            |                 |     | 9/51           | Tr   | TH       |
| 350          | 1.8    | 101         | 111                         | 194                         | 217                   | 112                      | 107                                | 94                     | 92              | 36                | 32          | 19            | 9/22            |     | 12/51          | Pl   | III      |
| 364          | 2      | 105         | 116                         | 202                         | 222                   |                          |                                    |                        | 98              |                   | 33          | 18            | 10/21           | m   | 12/49          | Tr   |          |
| 386          | 2.5    | 111         | 126                         | 218                         | 239                   | 128                      | 114                                | 104                    | 103             | 40                | 30          | 20            | 9/21            |     | 12/51          | Pl   | HY       |
| 500          | 5      | 146         | 158                         | 270                         | 302                   | 166                      | 147                                | 127                    | 147             | 66                | 64          | 25            | 10/21           | f   | 7/50           | Tr   | KY       |
| 517          | 6      | 150         | 170                         | 280                         | 313                   | 172                      | 151                                | 132                    | 146             | 60                | 53          | 26            | 9/22            | f   | 5/50           | Tr   | KY       |
| 518          | 5 1/4  | 151         | 162                         | 287                         | 318                   | 176                      | 149                                | 133                    | 124             | 55                | 52          | 26            | 10/21           | f   | 5/51           | Tr   | WMM      |
| 527          | 6      | 151         | 168                         | 293                         | 324                   | 165                      | 157                                | 136                    | 167             | 64                | 66          | 26            | 8/20            | m   | 9/51           | Pl   | TO       |
| 535          | 6 1/2  | 150         | 172                         | 296                         | 328                   | 173                      | 159                                | 137                    | 163             | 61                | 62          | 26            | 10/21           |     | 9/51           | Pl   | HY       |
| 542          | 7      | 156         | 177                         | 300                         | 330                   | 178                      | 155                                | 139                    | 161             | 63                | 56          | 26            | 10/22           | m   | 9/51           | Pl   |          |
| 553          | 7      | 161         | 178                         | 306                         | 338                   | 177                      | 161                                | 140                    | 154             | 66                | 69          | 28            | 9/20            | m   | 9/51           | Pl   | TO       |
| 596          | 7      | 188         | 209                         | 344                         | 375                   | 205                      | 189                                | 172                    | 187             | 68                | 67          | 27            |                 |     | 9/51           | Tr   | RS       |
| 608          | 7      | 207         | 222                         | 353                         | 385                   | 224                      | 212                                | 191                    | 197             | 68                |             | 27            | 9/21            | f   | 9/51           | Pl   | RS       |
| 609          | 7 3/4  | 197         | 217                         | 356                         | 383                   | 216                      | 188                                | 174                    | 199             | 68                | 69          | 28            |                 |     | 9/51           |      | RS       |
| 631          |        | 187         | 205                         | 345                         | 392                   | 215                      | 186                                | 157                    | 172             | 76                | 74          | 30            | 9/22            | m   | 1/52           | Tr   | HY       |
| 632          | 9 1/2  | 187         | 193                         | 344                         | 385                   | 211                      | 177                                | 154                    | 180             | 79                | 81          | 32            | 10/21           | f   | 1/50           | Tr   | JWR      |
| 673          | 12     | 195         | 214                         | 367                         | 394                   | 220                      | 185                                | 172                    | 213             | 96                | 100         | 34            | 8/20            | m   | 1/50           | Tr   | JWR      |
| 734          | 16 3/4 | 199         | 218                         | 390                         | 427                   | 227                      | 209                                | 179                    | 219             | 107               | 103         | 31            | 8/20            | f   | 12/49          | Tr   | KY       |
| 748          | 15 1/4 | 206         | 227                         | 401                         | 443                   | 235                      | 221                                | 181                    | 232             | 118               | 125         | 32            | 10/21           | f   | 5/51           | Tr   | WMM      |
| 813          | 29     | 219         | 247                         | 438                         | 482                   | 250                      |                                    | 209                    | 222             | 110               | 112         | 30            | 8/20            | f   | 8/48           |      | HHE      |
| 848          |        | 229         | 255                         | 444                         | 496                   | 261                      | 244                                |                        | 225             | 127               | 121         | 33            | 10/21           | m   | 5/51           | Tr   | WMM      |
| 928          | 28     | 245         | 272                         | 485                         | 538                   | 282                      | 258                                | 217                    | 274             | 152               | 166         | 33            | 9/20            | m   | 5/51           | Tr   | WMM      |
| 991          |        | 265         | 297                         | 508                         | 563                   | 310                      | 277                                | 253                    | 291             | 179               | 186         | 33            | 9/21            | f   | 5/50           | Tr   | KY       |
| 1136         | 55     | 296         | 328                         | 581                         | 642                   | 334                      | 330                                | 272                    | 336             | 229               | 242         | 36            | 9/22            | m   | 7/50           | Tr   | KY       |
| 1682         | 186    | 422         | 462                         | 836                         | 925                   | 467                      | 473                                | 430                    | 372             |                   | 356         | 44            |                 | m   | 8/51           | L1   | III      |

Table 13. Yellowfin from the Northwestern Pacific: Japan

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventrals to<br>Ant. Edge Vent | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|------------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 395          | 2.6    | 115         | 126                         | 216                         | 241                   | 129                      |                                    | 105                    | 113             | 38                | 34          | 25            | 8/21            |     | 5/49           | P1   | BMS      |
| 405          | 2.9    | 117         | 130                         | 221                         | 245                   | 131                      |                                    | 106                    | 109             | 44                | 42          | 22            | 9/20            |     | 5/49           | P1   | BMS      |
| 414          | 3.1    | 120         | 131                         | 230                         | 261                   | 135                      |                                    | 107                    | 119             | 45                | 40          | 22            | 9/20            |     | 5/49           | P1   | BMS      |
| 420          | 3.4    | 121         | 133                         | 234                         | 257                   | 135                      |                                    | 110                    | 113             | 52                | 47          |               | 10/20           |     | 5/49           | P1   | BMS      |
| 434          | 3.4    | 129         | 144                         | 246                         | 265                   | 144                      |                                    | 113                    | 125             | 48                |             | 23            | 8/20            |     | 5/49           | P1   | BMS      |
| 442          | 3.9    | 133         | 146                         | 247                         | 277                   | 151                      |                                    | 119                    | 128             | 55                | 49          | 27            | 9/20            |     | 5/49           |      | BMS      |
| 449          | 3.9    | 130         | 145                         | 251                         | 271                   | 145                      |                                    | 118                    | 120             | 50                | 49          | 24            | 9/21            |     | 5/49           | P1   | BMS      |
| 456          | 3.8    | 130         | 145                         | 252                         | 274                   | 147                      |                                    | 117                    | 140             | 53                | 49          | 24            | 9/20            |     | 5/49           | P1   | BMS      |
| 468          | 4.5    | 133         | 148                         | 260                         | 286                   | 152                      |                                    | 131                    | 139             | 58                | 52          | 26            | 10/21           |     | 5/49           | P1   | BMS      |
| 469          | 4.6    | 133         | 157                         | 264                         | 290                   | 150                      |                                    | 123                    | 128             | 55                | 50          | 24            | 9/20            |     | 5/49           | P1   | BMS      |
| 470          | 4.5    | 135         | 151                         | 264                         | 285                   | 151                      |                                    | 122                    | 135             | 53                | 51          | 23            | 9/21            |     | 5/49           | P1   | BMS      |
| 502          | 5.3    | 147         | 161                         | 277                         | 301                   | 166                      |                                    | 128                    | 154             | 64                | 59          | 27            | 11/19           |     | 5/49           | P1   | BMS      |
| 511          | 5.9    | 154         | 168                         | 290                         | 311                   | 170                      |                                    | 134                    | 152             | 60                | 53          | 28            | 10/21           |     | 5/49           | P1   | BMS      |
| 519          | 6.2    | 150         | 165                         | 286                         | 312                   | 166                      |                                    | 137                    | 163             | 66                | 63          | 28            | 9/21            |     | 5/49           | P1   | BMS      |
| 551          | 7.5    | 159         | 178                         | 306                         | 333                   | 178                      |                                    | 145                    | 163             | 68                | 69          | 28            | 11/22           |     | 5/49           | P1   | BMS      |
| 563          | 7.9    | 158         | 171                         | 305                         | 337                   | 177                      |                                    | 149                    | 183             | 75                | 75          | 28            | 9/20            |     | 5/49           | P1   | BMS      |
| 576          | 8.7    | 166         | 185                         | 321                         | 340                   | 183                      |                                    | 154                    | 183             | 79                | 77          | 29            | 9/21            |     | 5/49           | P1   | BMS      |
| 613          | 8      | 177         | 192                         | 338                         | 371                   | 199                      |                                    |                        | 196             | 87                | 88          | 31            | 9/21            |     | 5/49           | P1   | BMS      |
| 633          | 11     | 178         | 198                         | 342                         | 376                   | 201                      |                                    | 168                    | 197             | 89                | 87          | 28            | 9/22            |     | 5/49           | P1   | BMS      |
| 640          | 11     | 184         | 199                         | 352                         | 382                   | 203                      |                                    | 162                    | 205             | 90                | 80          | 32            | 9/21            |     | 5/49           | P1   | BMS      |
| 662          | 12     | 184         | 210                         | 364                         | 393                   | 205                      |                                    | 170                    | 190             | 97                | 94          | 28            | 8/21            |     | 5/49           |      | BMS      |
| 680          | 13     | 191         | 209                         | 367                         | 401                   | 212                      |                                    | 171                    |                 | 101               | 105         | 32            | 9/21            |     | 5/49           | P1   | BMS      |
| 688          | 14     | 191         | 214                         | 374                         | 411                   | 209                      |                                    | 178                    | 204             | 95                | 90          | 28            | 11/21           |     | 5/49           | P1   | BMS      |
| 705          | 18     | 198         | 213                         | 379                         | 415                   | 220                      |                                    | 172                    | 213             | 90                | 93          | 34            | 9/20            |     | 5/49           | P1   | BMS      |
| 705          | 15     | 201         | 227                         | 383                         | 416                   | 225                      |                                    | 182                    | 213             | 100               | 108         | 33            | 8/20            |     | 5/49           | P1   | BMS      |
| 709          | 15     | 199         | 223                         | 387                         | 421                   | 223                      |                                    | 189                    | 216             | 100               | 100         | 31            |                 |     | 1/49           | L1   | BMS      |
| 715          | 15     | 199         | 218                         | 387                         | 419                   | 223                      |                                    | 181                    | 224             | 113               | 115         | 30            | 9/20            |     | 5/49           | P1   | BMS      |
| 739          | 20     | 209         | 231                         | 396                         | 438                   | 240                      |                                    | 203                    | 222             | 99                | 103         | 35            | 10/20           |     | 5/49           | P1   | BMS      |
| 785          | 21     | 216         | 238                         | 415                         | 459                   | 239                      |                                    | 202                    | 243             | 121               | 125         | 28            | 9/21            |     | 5/49           | P1   | BMS      |

Table 13. Yellowfin from the Northwestern Pacific:  
Japan (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventrals to<br>Ant. Edge Vent | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|------------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 788          | 20     | 218         | 240                         | 420                         | 471                   | 245                      |                                    | 199                    | 234             | 117               | 124         | 33            | 9/19            |     | 5/49           | P1   | BMS      |
| 789          | 22     | 212         | 244                         | 420                         | 455                   | 235                      |                                    | 209                    | 229             | 124               | 123         | 30            | 10/20           |     | 5/49           | P1   | BMS      |
| 806          | 21     | 218         | 245                         | 430                         | 472                   | 240                      |                                    | 197                    | 230             | 129               | 132         | 31            | 8/20            |     | 5/49           | P1   | BMS      |
| 809          | 28     | 221         | 239                         | 420                         | 470                   | 243                      |                                    | 211                    | 240             | 114               | 113         | 35            | 10/20           |     | 5/49           | P1   | BMS      |
| 834          | 24     | 230         | 254                         | 447                         | 483                   | 255                      |                                    | 220                    | 242             | 145               | 149         | 33            | 10/20           |     | 5/49           | P1   | BMS      |
| 835          | 24     | 226         | 258                         | 442                         | 487                   | 253                      |                                    | 213                    | 238             | 139               | 136         | 30            | 9/20            |     | 5/49           | P1   | BMS      |
| 849          | 26     | 230         | 256                         | 444                         | 484                   | 258                      |                                    | 217                    | 249             | 137               | 152         | 33            | 9/20            |     | 5/49           | P1   | BMS      |
| 859          | 29     | 234         | 255                         | 457                         | 497                   | 268                      |                                    | 238                    | 267             | 150               | 150         | 32            | 8/19            |     | 5/49           | P1   | BMS      |
| 875          | 24     | 239         | 255                         | 457                         | 512                   | 268                      |                                    | 211                    | 257             | 164               | 161         | 36            | 11/20           |     | 5/49           | P1   | BMS      |
| 883          | 26     | 267         | 265                         | 465                         | 508                   | 265                      |                                    | 217                    | 269             | 158               | 147         | 32            | 9/20            |     | 5/49           |      | BMS      |
| 916          | 27     | 240         | 272                         | 481                         | 514                   | 265                      |                                    | 225                    | 260             | 148               | 155         | 34            | 8/20            |     | 5/49           | P1   | BMS      |
| 946          | 34     | 243         | 273                         | 491                         | 536                   | 271                      |                                    | 238                    | 267             | 156               | 163         | 34            | 9/19            |     | 5/49           |      | BMS      |
| 947          | 34     | 243         | 275                         | 491                         | 545                   | 278                      |                                    | 236                    | 278             | 175               | 184         | 35            | 9/20            |     | 5/49           | P1   | BMS      |
| 948          | 37     | 254         | 278                         | 492                         | 552                   | 287                      |                                    | 238                    | 265             | 185               | 184         | 35            | 10/19           |     | 5/49           | P1   | BMS      |
| 950          | 34     | 256         | 279                         | 503                         | 550                   | 284                      |                                    | 235                    | 274             | 169               | 193         | 35            | 9/20            |     | 5/49           | P1   | BMS      |
| 958          | 32     | 251         | 283                         | 498                         | 537                   | 273                      |                                    | 227                    | 265             | 153               | 164         | 33            | 9/20            |     | 5/49           | P1   | BMS      |
| 1065         | 48     | 272         | 301                         | 547                         | 603                   |                          |                                    | 268                    | 304             | 184               | 204         | 36            | 11/22           |     | 5/49           | P1   | BMS      |

Table 14. Yellowfin from the Northwestern Pacific: Southwestern  
Panay Islands, Philippines\*

| Total<br>Length | Head<br>Length | Snout to<br>Ins. 1st<br>Dorsal | Snout to<br>Ins. 2nd<br>Dorsal | Snout to<br>Ins. Anal | Snout to<br>Ins. Ventral | Total<br>Length | Head<br>Length | Snout to<br>Ins. 1st<br>Dorsal | Snout to<br>Ins. 2nd<br>Dorsal | Snout to<br>Ins. Anal | Snout to<br>Ins. Ventral |
|-----------------|----------------|--------------------------------|--------------------------------|-----------------------|--------------------------|-----------------|----------------|--------------------------------|--------------------------------|-----------------------|--------------------------|
| 491             | 146            | 164                            | 286                            | 318                   | 168                      | 568             | 165            | 185                            | 320                            | 362                   | 188                      |
| 504             | 155            | 185                            | 329                            | 351                   | 173                      | 568             | 169            | 188                            | 336                            | 360                   | 193                      |
| 504             | 156            | 185                            | 320                            | 350                   | 173                      | 569             | 169            | 192                            | 320                            | 357                   | 188                      |
| 504             | 157            | 185                            | 325                            | 346                   | 179                      | 571             | 165            | 188                            | 332                            | 356                   | 185                      |
| 508             | 155            | 178                            | 320                            | 347                   | 180                      | 571             | 167            | 193                            | 327                            | 365                   | 186                      |
| 511             | 151            | 172                            | 299                            | 321                   | 170                      | 574             | 169            | 189                            | 326                            | 359                   | 188                      |
| 515             | 154            | 174                            | 298                            | 325                   | 174                      | 577             | 164            | 190                            | 325                            | 363                   | 185                      |
| 518             | 158            | 170                            | 338                            | 361                   | 176                      | 578             | 163            | 189                            | 324                            | 362                   | 186                      |
| 519             | 152            | 166                            | 300                            | 325                   | 167                      | 578             | 164            | 192                            | 325                            | 366                   | 184                      |
| 519             | 155            | 173                            | 311                            | 321                   | 176                      | 578             | 166            | 188                            | 319                            | 362                   | 185                      |
| 520             | 142            | 161                            | 275                            | 313                   | 161                      | 581             | 163            | 189                            | 339                            | 364                   | 186                      |
| 520             | 152            | 174                            | 308                            | 326                   | 174                      | 582             | 168            | 190                            | 330                            | 370                   | 193                      |
| 520             | 157            | 177                            | 304                            | 330                   | 177                      | 582             | 170            | 206                            | 337                            | 373                   | 191                      |
| 525             | 152            | 175                            | 310                            | 328                   | 172                      | 586             | 171            | 198                            | 336                            | 368                   | 193                      |
| 525             | 170            | 188                            | 342                            | 369                   | 190                      | 587             | 170            | 189                            | 336                            | 372                   | 199                      |
| 526             | 163            | 185                            | 342                            | 365                   | 185                      | 587             | 174            | 190                            | 340                            | 366                   | 198                      |
| 531             | 154            | 174                            | 302                            | 331                   | 175                      | 590             | 180            | 212                            | 344                            | 365                   | 200                      |
| 536             | 159            | 182                            | 312                            | 335                   | 174                      | 591             | 168            | 196                            | 338                            | 365                   | 188                      |
| 537             | 159            | 174                            | 302                            | 330                   | 174                      | 591             | 171            | 189                            | 329                            | 368                   | 194                      |
| 538             | 156            | 178                            | 303                            | 329                   | 175                      | 594             | 172            | 190                            | 326                            | 372                   | 193                      |
| 539             | 155            | 179                            | 305                            | 365                   | 175                      | 596             | 176            | 203                            | 346                            | 384                   | 203                      |
| 541             | 156            | 178                            | 305                            | 329                   | 176                      | 597             | 170            | 193                            | 332                            | 371                   | 190                      |
| 542             | 156            | 175                            | 308                            | 330                   | 175                      | 598             | 175            | 198                            | 338                            | 372                   | 189                      |
| 542             | 156            | 180                            | 309                            | 331                   | 171                      | 599             | 174            | 192                            | 341                            | 363                   | 197                      |
| 544             | 158            | 182                            | 311                            | 333                   | 173                      | 603             | 174            | 184                            | 336                            | 373                   | 198                      |
| 549             | 159            | 182                            | 309                            | 342                   | 180                      | 603             | 177            | 201                            | 346                            | 373                   | 191                      |
| 550             | 159            | 171                            | 309                            | 337                   | 170                      | 604             | 173            | 194                            | 334                            | 378                   | 194                      |
| 555             | 162            | 182                            | 315                            | 360                   | 184                      | 604             | 174            | 206                            | 344                            | 372                   | 194                      |
| 559             | 160            | 185                            | 322                            | 353                   | 184                      | 605             | 180            | 203                            | 351                            | 383                   | 208                      |
| 562             | 168            | 188                            | 328                            | 350                   | 188                      | 607             | 182            | 205                            | 355                            | 387                   | 205                      |
| 563             | 165            | 182                            | 324                            | 363                   | 185                      | 608             | 175            | 197                            | 344                            | 373                   | 193                      |
| 565             | 161            | 180                            | 322                            | 353                   | 180                      | 609             | 177            | 199                            | 339                            | 377                   | 200                      |
| 566             | 152            | 168                            | 300                            | 345                   | 175                      | 610             | 181            | 202                            | 344                            | 385                   | 200                      |
| 566             | 168            | 184                            | 325                            | 350                   | 184                      | 614             | 176            | 198                            | 344                            | 381                   | 194                      |
| 567             | 160            | 186                            | 329                            | 354                   | 182                      | 617             | 173            | 201                            | 345                            | 380                   | 199                      |

\*From the Philippine Bureau of Fisheries

Table 14. Yellowfin from the Northwestern Pacific: Southwestern  
Panay Islands, Philippines\* (Continued)

| Total<br>Length | Head<br>Length | Snout to<br>Ins. 1st<br>Dorsal | Snout to<br>Ins. and<br>Dorsal | Snout to<br>Ins.<br>Anal | Snout to<br>Ins.<br>Ventral | Total<br>Length | Head<br>Length | Snout to<br>Ins. 1st<br>Dorsal | Snout to<br>Ins. and<br>Dorsal | Snout to<br>Ins.<br>Anal | Snout to<br>Ins.<br>Ventral |
|-----------------|----------------|--------------------------------|--------------------------------|--------------------------|-----------------------------|-----------------|----------------|--------------------------------|--------------------------------|--------------------------|-----------------------------|
| 620             | 179            | 200                            | 366                            | 385                      | 201                         | 648             | 192            | 211                            | 368                            | 403                      | 208                         |
| 622             | 173            | 198                            | 349                            | 386                      | 200                         | 650             | 186            | 204                            | 366                            | 400                      | 210                         |
| 623             | 182            | 206                            | 350                            | 391                      | 203                         | 651             | 185            | 208                            | 368                            | 403                      | 205                         |
| 624             | 181            | 208                            | 364                            | 400                      | 201                         | 651             | 185            | 210                            | 361                            | 397                      | 208                         |
| 625             | 179            | 209                            | 361                            | 396                      | 201                         | 651             | 186            | 202                            | 360                            | 395                      | 211                         |
| 626             | 178            | 208                            | 360                            | 394                      | 202                         | 651             | 186            | 209                            | 374                            | 409                      | 214                         |
| 628             | 199            | 208                            | 384                            | 415                      | 204                         | 651             | 186            | 216                            | 380                            | 407                      | 212                         |
| 630             | 178            | 207                            | 371                            | 388                      | 206                         | 651             | 189            | 211                            | 377                            | 407                      | 214                         |
| 630             | 180            | 205                            | 353                            | 393                      | 200                         | 651             | 191            | 214                            | 373                            | 408                      | 219                         |
| 630             | 187            | 209                            | 370                            | 402                      | 204                         | 651             | 191            | 219                            | 373                            | 418                      | 217                         |
| 630             | 188            | 205                            | 360                            | 394                      | 212                         | 652             | 190            | 218                            | 371                            | 411                      | 211                         |
| 631             | 179            | 203                            | 351                            | 387                      | 199                         | 653             | 186            | 202                            | 364                            | 414                      | 209                         |
| 631             | 186            | 210                            | 360                            | 388                      | 208                         | 653             | 195            | 206                            | 360                            | 400                      | 210                         |
| 634             | 190            | 209                            | 365                            | 405                      | 214                         | 654             | 191            | 209                            | 363                            | 417                      | 214                         |
| 635             | 184            | 209                            | 364                            | 401                      | 203                         | 655             | 190            | 208                            | 356                            | 400                      | 215                         |
| 636             | 178            | 205                            | 362                            | 391                      | 200                         | 655             | 190            | 221                            | 390                            | 405                      | 214                         |
| 638             | 187            | 210                            | 363                            | 400                      | 203                         | 655             | 194            | 207                            | 370                            | 405                      | 217                         |
| 638             | 189            | 211                            | 370                            | 403                      | 212                         | 657             | 187            | 213                            | 367                            | 400                      | 208                         |
| 639             | 176            | 204                            | 365                            | 390                      | 197                         | 657             | 188            | 208                            | 365                            | 420                      | 214                         |
| 639             | 190            | 215                            | 375                            | 410                      | 216                         | 657             | 194            | 213                            | 374                            | 411                      | 216                         |
| 640             | 185            | 205                            | 359                            | 400                      | 210                         | 660             | 189            | 214                            | 379                            | 406                      | 219                         |
| 642             | 187            | 206                            | 374                            | 395                      | 215                         | 660             | 189            | 215                            | 380                            | 405                      | 220                         |
| 642             | 188            | 214                            | 365                            | 403                      | 218                         | 660             | 190            | 223                            | 382                            | 413                      | 214                         |
| 643             | 185            | 205                            | 368                            | 404                      | 216                         | 660             | 194            | 220                            | 374                            | 408                      | 219                         |
| 643             | 186            | 201                            | 362                            | 406                      | 218                         | 661             | 191            | 217                            | 371                            | 411                      | 210                         |
| 644             | 186            | 210                            | 362                            | 401                      | 209                         | 661             | 191            | 221                            | 382                            | 409                      | 219                         |
| 644             | 191            | 221                            | 375                            | 411                      | 219                         | 662             | 186            | 212                            | 364                            | 400                      | 206                         |
| 644             | 192            | 214                            | 366                            | 401                      | 217                         | 665             | 184            | 220                            | 388                            | 423                      | 222                         |
| 645             | 180            | 201                            | 373                            | 400                      | 209                         | 666             | 189            | 220                            | 380                            | 409                      | 214                         |
| 645             | 183            | 209                            | 363                            | 406                      | 206                         | 668             | 188            | 211                            | 372                            | 407                      | 212                         |
| 645             | 184            | 217                            | 373                            | 401                      | 212                         | 668             | 189            | 219                            | 371                            | 405                      | 207                         |
| 645             | 186            | 212                            | 365                            | 402                      | 208                         | 668             | 191            | 216                            | 368                            | 414                      | 218                         |
| 645             | 186            | 215                            | 369                            | 416                      | 216                         | 668             | 194            | 206                            | 366                            | 411                      | 214                         |
| 646             | 185            | 212                            |                                | 396                      | 208                         | 669             | 189            | 217                            | 368                            | 410                      | 210                         |
| 647             | 193            | 204                            | 359                            | 405                      | 214                         | 669             | 194            | 209                            | 369                            | 404                      | 214                         |

\*From the Philippine Bureau of Fisheries



Table 14. Yellowfin from the Northwestern Pacific: Southwestern Panay Islands, Philippines\* (Continued)

| Total Length | Head Length | Snout to Ins. 1st Dorsal | Snout to Ins. 2nd Dorsal | Snout to Ins. Anal | Snout to Ins. Ventral | Total Length | Head Length | Snout to Ins. 1st Dorsal | Snout to Ins. 2nd Dorsal | Snout to Ins. Anal | Snout to Ins. Ventral |
|--------------|-------------|--------------------------|--------------------------|--------------------|-----------------------|--------------|-------------|--------------------------|--------------------------|--------------------|-----------------------|
| 669          | 194         | 212                      | 374                      | 411                | 217                   | 695          | 199         | 222                      | 387                      | 429                | 213                   |
| 670          | 187         | 214                      | 378                      | 414                | 219                   | 696          | 200         | 214                      | 381                      | 431                | 224                   |
| 670          | 189         | 216                      | 380                      | 414                | 213                   | 696          | 201         | 222                      | 397                      | 429                | 228                   |
| 670          | 190         | 219                      | 381                      | 414                | 216                   | 697          | 204         | 220                      | 390                      | 426                | 224                   |
| 670          | 194         | 217                      | 376                      | 415                | 221                   | 698          | 202         | 224                      | 399                      | 431                | 229                   |
| 670          | 195         | 226                      | 386                      | 418                | 219                   | 700          | 203         | 237                      | 400                      | 413                | 227                   |
| 672          | 199         | 220                      | 371                      | 414                | 221                   | 700          | 206         | 220                      | 380                      | 436                | 234                   |
| 674          | 193         | 216                      | 380                      | 422                | 222                   | 701          | 201         | 228                      | 389                      | 430                | 227                   |
| 675          | 195         | 215                      | 380                      | 419                | 218                   | 701          | 205         | 225                      | 394                      | 435                | 233                   |
| 675          | 195         | 226                      | 387                      | 409                | 209                   | 702          | 203         | 236                      | 391                      | 435                | 238                   |
| 676          | 191         | 218                      | 382                      | 419                | 215                   | 703          | 203         | 224                      | 392                      | 416                | 229                   |
| 677          | 196         | 229                      | 389                      | 417                | 228                   | 703          | 204         | 229                      | 390                      | 430                | 225                   |
| 678          | 198         | 230                      | 390                      | 418                | 229                   | 704          | 206         | 229                      | 390                      | 429                | 232                   |
| 678          | 199         | 219                      | 393                      | 424                | 218                   | 705          | 200         | 230                      | 395                      | 432                | 220                   |
| 678          | 200         | 205                      | 386                      | 418                | 218                   | 705          | 211         | 238                      | 411                      | 441                | 231                   |
| 678          | 200         | 220                      | 392                      | 429                | 225                   | 706          | 200         | 221                      | 400                      | 435                | 227                   |
| 680          | 192         | 222                      | 375                      | 414                | 211                   | 707          | 208         | 226                      | 402                      | 428                | 223                   |
| 680          | 194         | 225                      | 392                      | 420                | 211                   | 709          | 201         | 228                      | 400                      | 450                | 224                   |
| 680          | 196         | 229                      | 392                      | 424                | 215                   | 712          | 199         | 226                      | 390                      | 440                | 223                   |
| 682          | 200         | 220                      | 382                      | 423                | 225                   | 712          | 206         | 220                      | 395                      | 450                | 230                   |
| 684          | 191         | 222                      | 370                      | 427                | 209                   | 712          | 209         | 231                      | 405                      | 438                | 227                   |
| 684          | 199         | 229                      | 392                      | 419                | 220                   | 712          | 211         | 234                      | 404                      | 441                | 234                   |
| 685          | 194         | 223                      | 390                      | 423                | 219                   | 713          | 202         | 230                      | 396                      | 435                | 224                   |
| 686          | 197         | 214                      | 385                      | 420                | 218                   | 714          | 202         | 229                      | 407                      | 431                | 238                   |
| 686          | 200         | 218                      | 386                      | 421                | 222                   | 715          | 204         | 227                      | 400                      | 439                | 234                   |
| 687          | 191         | 220                      | 387                      | 414                | 229                   | 716          | 205         | 229                      | 400                      | 440                | 227                   |
| 689          | 192         | 216                      | 387                      | 420                | 220                   | 716          | 207         | 228                      | 401                      | 447                | 236                   |
| 689          | 194         | 225                      | 384                      | 427                | 223                   | 721          | 202         | 225                      | 398                      | 437                | 231                   |
| 689          | 200         | 219                      | 390                      | 424                | 224                   | 722          | 205         | 230                      | 408                      | 449                | 233                   |
| 690          | 199         | 223                      | 381                      | 413                | 220                   | 723          | 210         | 236                      | 396                      | 448                | 234                   |
| 690          | 202         | 220                      | 390                      | 425                | 220                   | 724          | 207         | 230                      | 385                      | 440                | 235                   |
| 690          | 202         | 220                      | 394                      | 420                | 220                   | 725          | 213         | 237                      | 405                      | 441                | 239                   |
| 691          | 195         | 226                      | 387                      | 428                | 224                   | 726          | 201         | 230                      | 403                      | 440                | 229                   |
| 691          | 201         | 231                      | 388                      | 428                | 219                   | 726          | 206         | 235                      | 415                      | 456                | 229                   |
| 692          | 199         | 228                      | 399                      | 426                | 212                   | 726          | 209         | 228                      | 408                      | 464                | 238                   |

\*From the Philippine Bureau of Fisheries

Table 14. Yellowfin from the Northwestern Pacific: Southwestern  
Panay Islands, Philippines\* (Continued)

| Total<br>Length | Head<br>Length | Snout to<br>Ins. 1st<br>Dorsal | Snout to<br>Ins. 2nd<br>Dorsal | Snout to<br>Ins.<br>Anal | Snout to<br>Ins.<br>Ventral | Total<br>Length | Head<br>Length | Snout to<br>Ins. 1st<br>Dorsal | Snout to<br>Ins. 2nd<br>Dorsal | Snout to<br>Ins.<br>Anal | Snout to<br>Ins.<br>Ventral |
|-----------------|----------------|--------------------------------|--------------------------------|--------------------------|-----------------------------|-----------------|----------------|--------------------------------|--------------------------------|--------------------------|-----------------------------|
| 728             | 210            | 217                            | 394                            | 440                      | 230                         | 804             | 221            | 244                            | 443                            | 499                      | 251                         |
| 733             | 208            | 225                            | 414                            | 448                      | 232                         | 804             | 225            | 257                            | 446                            | 487                      | 253                         |
| 734             | 205            | 228                            | 401                            | 440                      | 242                         | 806             | 227            | 249                            | 451                            | 493                      | 259                         |
| 736             | 212            | 248                            | 436                            | 467                      | 256                         | 808             | 227            | 239                            | 450                            | 482                      | 238                         |
| 737             | 213            | 243                            | 424                            | 456                      | 238                         | 816             | 221            | 253                            | 445                            | 503                      | 254                         |
| 739             | 206            | 233                            | 420                            | 452                      | 240                         | 816             | 221            | 259                            | 451                            | 490                      | 255                         |
| 743             | 204            | 230                            | 414                            | 453                      | 232                         | 818             | 238            | 263                            | 454                            | 500                      | 257                         |
| 744             | 212            | 239                            | 416                            | 457                      | 239                         | 820             | 224            | 254                            | 451                            | 495                      | 255                         |
| 746             | 208            | 248                            | 418                            | 463                      | 237                         | 820             | 229            | 250                            | 477                            | 504                      | 264                         |
| 750             | 211            | 231                            | 411                            | 455                      | 240                         | 820             | 235            | 273                            | 478                            | 504                      | 260                         |
| 750             | 216            | 246                            | 428                            | 465                      | 238                         | 822             | 223            | 254                            | 451                            | 494                      | 256                         |
| 755             | 206            | 227                            | 395                            | 454                      | 230                         | 822             | 237            | 266                            | 450                            | 505                      | 265                         |
| 756             | 211            | 230                            | 418                            | 470                      | 232                         | 824             | 229            | 263                            | 453                            | 502                      | 257                         |
| 759             | 210            | 252                            | 417                            | 452                      | 238                         | 824             | 237            | 259                            | 455                            | 490                      | 260                         |
| 759             | 215            | 238                            | 432                            | 471                      | 242                         | 825             | 230            | 257                            | 466                            | 503                      | 268                         |
| 765             | 215            | 244                            | 420                            | 468                      | 250                         | 825             | 233            | 255                            | 457                            | 502                      | 259                         |
| 765             | 222            | 248                            | 427                            | 460                      | 243                         | 826             | 229            | 265                            | 451                            | 494                      | 250                         |
| 771             | 218            | 240                            | 424                            | 468                      | 246                         | 827             | 231            | 259                            | 461                            | 501                      | 256                         |
| 774             | 221            | 245                            | 438                            | 474                      | 253                         | 830             | 222            | 265                            | 462                            | 494                      | 255                         |
| 775             | 212            | 235                            | 427                            | 472                      | 238                         | 831             | 230            | 255                            | 454                            | 494                      | 258                         |
| 778             | 220            | 249                            | 434                            | 469                      | 242                         | 837             | 234            | 256                            | 452                            | 505                      | 263                         |
| 780             | 220            | 239                            | 428                            | 470                      | 239                         | 838             | 232            | 260                            | 460                            | 510                      | 264                         |
| 782             | 218            | 246                            | 438                            | 474                      | 248                         | 840             | 231            | 259                            | 459                            | 511                      | 264                         |
| 783             | 220            | 255                            | 441                            | 475                      | 248                         | 843             | 227            | 263                            | 465                            | 502                      | 261                         |
| 784             | 221            | 247                            | 435                            | 474                      | 250                         | 845             | 230            | 267                            | 466                            | 515                      | 277                         |
| 785             | 225            | 247                            | 429                            | 474                      | 250                         | 851             | 229            | 260                            | 453                            | 519                      | 254                         |
| 785             | 226            | 253                            | 439                            | 489                      | 254                         | 851             | 231            | 255                            | 465                            | 506                      | 258                         |
| 786             | 225            | 252                            | 438                            | 478                      | 255                         | 852             | 238            | 268                            | 470                            | 520                      | 269                         |
| 788             | 222            | 241                            | 436                            | 473                      | 258                         | 858             | 234            | 254                            | 464                            | 510                      | 265                         |
| 789             | 219            | 260                            | 440                            | 483                      | 244                         | 859             | 229            | 266                            | 463                            | 512                      | 269                         |
| 795             | 224            | 248                            | 437                            | 487                      | 239                         | 860             | 234            | 259                            | 474                            | 528                      | 267                         |
| 796             | 225            | 246                            | 446                            | 475                      | 248                         | 864             | 230            | 265                            | 473                            | 521                      | 261                         |
| 800             | 224            | 252                            | 435                            | 481                      | 249                         | 868             | 242            | 274                            | 473                            | 524                      | 269                         |
| 801             | 219            | 244                            | 439                            | 494                      | 252                         | 871             | 233            | 267                            | 479                            | 520                      | 273                         |
| 802             | 231            | 258                            | 463                            | 489                      | 252                         | 875             | 239            | 274                            | 474                            | 516                      | 264                         |

\*From the Philippine Bureau of Fisheries

Table 14. Yellowfin from the Northwestern Pacific: Southwestern Panay Islands, Philippines\* (Continued)

| Total Length | Head Length | Snout to Ins. 1st Dorsal | Snout to Ins. 2nd Dorsal | Snout to Ins. Anal | Snout to Ins. Ventral | Total Length | Head Length | Snout to Ins. 1st Dorsal | Snout to Ins. 2nd Dorsal | Snout to Ins. Anal | Snout to Ins. Ventral |
|--------------|-------------|--------------------------|--------------------------|--------------------|-----------------------|--------------|-------------|--------------------------|--------------------------|--------------------|-----------------------|
| 877          | 249         | 278                      | 484                      | 535                | 274                   | 1081         | 264         | 318                      | 571                      | 632                | 329                   |
| 878          | 239         | 264                      | 475                      | 517                | 266                   | 1094         | 282         | 315                      | 559                      | 632                | 322                   |
| 880          | 235         | 260                      | 469                      | 515                | 266                   | 1116         | 287         | 331                      | 582                      | 629                | 312                   |
| 885          | 255         | 270                      | 486                      | 534                | 277                   | 1138         | 300         | 327                      | 594                      | 652                | 327                   |
| 886          | 246         | 280                      | 486                      | 539                | 274                   | 1147         | 293         | 320                      | 594                      | 647                | 337                   |
| 888          | 238         | 266                      | 478                      | 522                | 275                   | 1148         | 294         | 335                      | 597                      | 654                | 339                   |
| 888          | 248         | 263                      | 490                      | 531                | 276                   | 1155         | 308         | 346                      | 610                      | 681                | 352                   |
| 890          | 231         | 279                      | 487                      | 538                | 263                   | 1162         | 302         | 326                      | 613                      | 672                | 342                   |
| 894          | 243         | 278                      | 484                      | 522                | 270                   | 1210         | 301         | 354                      | 637                      | 701                | 338                   |
| 904          | 241         | 266                      | 492                      | 541                | 274                   | 1214         | 325         | 354                      | 647                      | 729                | 363                   |
| 906          | 256         | 284                      | 492                      | 532                | 278                   | 1226         | 332         | 365                      | 683                      | 756                | 385                   |
| 912          | 242         | 265                      | 486                      | 528                | 268                   | 1231         | 320         | 348                      | 634                      | 714                | 351                   |
| 912          | 246         | 268                      | 478                      | 554                | 276                   | 1234         | 306         | 329                      | 639                      | 684                | 340                   |
| 914          | 243         | 272                      | 489                      | 542                | 280                   | 1239         | 314         | 359                      | 644                      | 702                | 351                   |
| 916          | 245         | 281                      | 500                      | 552                | 280                   | 1251         | 329         | 362                      | 658                      |                    | 373                   |
| 916          | 251         | 280                      | 501                      | 548                | 289                   | 1251         | 332         | 367                      | 684                      | 744                | 369                   |
| 918          | 242         | 285                      | 510                      | 552                | 275                   | 1254         | 318         | 349                      | 646                      | 712                | 361                   |
| 921          | 254         | 278                      | 510                      | 559                | 282                   | 1258         | 328         | 360                      | 666                      | 732                | 370                   |
| 924          | 238         | 268                      | 511                      | 567                | 276                   | 1279         | 322         | 362                      | 669                      | 731                | 371                   |
| 932          | 248         | 274                      | 499                      | 557                | 280                   | 1281         | 337         | 384                      | 685                      | 745                | 384                   |
| 932          | 251         | 280                      | 487                      | 544                | 280                   | 1284         | 328         | 361                      | 672                      | 742                | 377                   |
| 933          | 255         | 282                      | 511                      | 561                | 299                   | 1294         | 331         | 369                      | 667                      | 731                | 380                   |
| 942          | 258         | 280                      | 514                      | 577                | 291                   | 1294         | 345         | 369                      | 673                      | 734                | 378                   |
| 944          | 249         | 283                      | 519                      | 568                | 294                   | 1314         | 343         | 373                      | 688                      | 768                |                       |
| 951          | 258         | 290                      | 521                      | 576                | 288                   | 1317         | 318         | 359                      | 662                      | 769                | 389                   |
| 953          | 259         | 291                      | 523                      | 574                | 289                   | 1329         | 342         | 384                      | 696                      | 766                | 376                   |
| 954          | 265         | 286                      | 517                      | 564                | 294                   | 1330         | 350         | 382                      | 710                      | 790                | 408                   |
| 987          | 262         | 291                      | 538                      | 584                | 302                   | 1336         | 321         | 377                      | 672                      | 739                | 378                   |
| 1000         | 269         | 297                      | 541                      | 599                | 304                   | 1345         | 349         | 360                      | 693                      | 772                | 405                   |
| 1008         | 269         | 299                      | 539                      | 590                | 308                   | 1346         | 340         | 364                      | 674                      | 756                | 405                   |
| 1017         | 265         | 301                      | 536                      | 606                | 307                   | 1354         | 344         | 381                      | 692                      | 762                | 390                   |
| 1024         | 274         | 309                      | 554                      | 613                | 321                   | 1372         | 349         | 395                      | 714                      | 774                | 392                   |
| 1045         | 276         | 304                      | 568                      | 620                | 320                   | 1373         | 341         | 372                      | 694                      | 767                | 387                   |
| 1049         | 274         | 301                      | 557                      | 595                | 302                   | 1397         | 342         | 383                      | 620                      | 780                | 383                   |
| 1074         | 296         | 314                      | 576                      | 640                | 335                   | 1415         | 368         | 392                      | 725                      | 793                | 412                   |

\* From the Philippine Bureau of Fisheries

Table 14. Yellowfin from the Northwestern Pacific: Southwestern Panay Islands, Philippines\* (Continued)

| Total Length | Head Length | Snout to Ins. 1st Dorsal | Snout to Ins. 2nd Dorsal | Snout to Ins. Anal | Snout to Ins. Ventral | Total Length | Head Length | Snout to Ins. 1st Dorsal | Snout to Ins. 2nd Dorsal | Snout to Ins. Anal | Snout to Ins. Ventral |
|--------------|-------------|--------------------------|--------------------------|--------------------|-----------------------|--------------|-------------|--------------------------|--------------------------|--------------------|-----------------------|
| 1418         | 364         | 409                      | 738                      | 800                | 425                   | 1488         | 382         | 437                      | 776                      | 840                | 431                   |
| 1422         | 367         | 418                      | 727                      | 790                | 385                   | 1502         | 386         | 424                      | 794                      | 870                | 450                   |
| 1484         | 377         | 418                      | 774                      | 821                | 419                   | 1545         | 368         | 410                      | 753                      | 840                | 410                   |

Table 15. Yellowfin from the Northwestern Pacific: Batangas Province, Luzon, Philippines\*

|     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 466 | 143 | 153 | 265 | 293 | 153 | 686 | 193 | 209 | 377 | 409 | 217 |
| 470 | 140 | 150 | 265 | 300 | 164 | 686 | 209 | 222 | 381 | 426 | 224 |
| 496 | 135 | 146 | 264 | 296 | 153 | 689 | 203 | 218 | 386 | 422 | 231 |
| 515 | 139 | 151 | 277 | 310 | 158 | 691 | 206 | 223 | 379 | 415 | 226 |
| 517 | 142 | 151 | 273 | 314 | 159 | 692 | 198 | 214 | 386 | 428 | 218 |
| 518 | 138 | 152 | 272 | 310 | 160 | 698 | 211 | 224 | 398 | 437 | 233 |
| 618 | 188 | 203 | 350 | 385 | 207 | 702 | 205 | 217 | 387 | 424 | 227 |
| 625 | 181 | 202 | 348 | 397 | 206 | 704 | 204 | 218 | 391 | 428 | 224 |
| 633 | 192 | 207 | 358 | 391 | 204 | 704 | 209 | 228 | 393 | 437 | 226 |
| 638 | 194 | 202 | 353 | 387 | 213 | 706 | 210 | 222 | 396 | 444 | 235 |
| 648 | 194 | 212 | 371 | 412 | 205 | 708 | 205 | 223 | 393 | 436 | 224 |
| 656 | 195 | 212 | 360 | 408 | 214 | 711 | 206 | 214 | 396 | 435 | 229 |
| 660 | 191 | 210 | 375 | 410 | 220 | 714 | 204 | 230 | 397 | 438 | 218 |
| 670 | 192 | 206 | 361 | 411 | 211 | 714 | 207 | 223 | 401 | 432 | 228 |
| 670 | 195 | 213 | 376 | 413 | 219 | 714 | 212 | 223 | 393 | 431 | 226 |
| 671 | 198 | 212 | 382 | 417 | 214 | 718 | 206 | 225 | 394 | 435 | 226 |
| 674 | 192 | 214 | 374 | 397 | 210 | 718 | 207 | 226 | 396 | 432 | 226 |
| 674 | 206 | 215 | 378 | 421 | 222 | 720 | 215 | 234 | 403 | 445 | 243 |
| 677 | 192 | 218 | 370 | 410 | 217 | 722 | 212 | 228 | 408 | 442 | 226 |
| 677 | 200 | 214 | 373 | 416 | 226 | 723 | 210 | 222 | 395 | 440 | 236 |
| 678 | 202 | 215 | 380 | 414 | 223 | 724 | 210 | 225 | 402 | 444 | 239 |
| 680 | 203 | 222 | 387 | 428 | 223 | 726 | 225 | 222 | 397 | 434 | 233 |
| 681 | 192 | 216 | 379 | 415 | 221 | 728 | 209 | 223 | 405 | 443 | 229 |
| 683 | 206 | 221 | 383 | 433 | 226 | 733 | 208 | 229 | 405 | 448 | 238 |
| 684 | 205 | 223 | 390 | 421 | 227 | 738 | 215 | 230 | 407 | 447 | 231 |

\*From the Philippine Bureau of Fisheries

Table 15. Yellowfin from the Northwestern Pacific: Batangas Province, Luzon, Philippines\* (Continued)

| Total Length | Head Length | Snout to Ins. 1st Dorsal | Snout to Ins. 2nd Dorsal | Snout to Ins. Anal | Snout to Ins. Ventral | Total Length | Head Length | Snout to Ins. 1st Dorsal | Snout to Ins. 2nd Dorsal | Snout to Ins. Anal | Snout to Ins. Ventral |
|--------------|-------------|--------------------------|--------------------------|--------------------|-----------------------|--------------|-------------|--------------------------|--------------------------|--------------------|-----------------------|
| 741          | 213         | 231                      | 411                      | 455                | 236                   | 787          | 227         | 244                      | 434                      | 481                | 250                   |
| 742          | 215         | 237                      | 408                      | 451                | 237                   | 788          | 227         | 251                      | 444                      | 478                | 246                   |
| 743          | 214         | 222                      | 406                      | 443                | 238                   | 790          | 221         | 246                      | 431                      | 475                | 243                   |
| 744          | 218         | 227                      | 420                      | 467                | 236                   | 790          | 224         | 245                      | 451                      | 483                | 252                   |
| 746          | 216         | 219                      | 410                      | 466                | 234                   | 791          | 221         | 248                      | 441                      | 471                | 247                   |
| 746          | 221         | 228                      | 407                      | 460                | 237                   | 792          | 224         | 238                      | 425                      | 471                | 249                   |
| 747          | 219         | 244                      | 414                      | 470                | 242                   | 792          | 226         | 261                      | 447                      | 482                | 257                   |
| 751          | 219         | 230                      | 408                      | 457                | 237                   | 798          | 227         | 242                      | 437                      | 495                | 251                   |
| 752          | 217         | 237                      | 417                      | 445                | 237                   | 800          | 225         | 242                      | 431                      | 484                | 249                   |
| 753          | 218         | 225                      | 420                      | 458                | 234                   | 800          | 230         | 251                      | 448                      | 495                | 256                   |
| 759          | 217         | 237                      | 421                      | 454                | 239                   | 802          | 230         | 251                      | 442                      | 494                | 248                   |
| 760          | 212         | 241                      | 419                      | 466                | 243                   | 803          | 228         | 243                      | 437                      | 491                | 248                   |
| 760          | 214         | 231                      | 420                      | 455                | 240                   | 804          | 223         | 250                      | 436                      | 487                | 247                   |
| 762          | 217         | 233                      | 415                      | 460                | 236                   | 804          | 228         | 246                      | 446                      | 500                | 253                   |
| 762          | 223         | 236                      | 414                      | 461                | 247                   | 805          | 227         | 256                      | 452                      | 494                | 251                   |
| 764          | 220         | 240                      | 418                      | 452                | 238                   | 810          | 224         | 256                      | 443                      | 489                | 260                   |
| 766          | 220         | 248                      | 424                      | 469                | 245                   | 810          | 234         | 251                      | 438                      | 495                | 252                   |
| 768          | 216         | 236                      | 421                      | 462                | 237                   | 811          | 229         | 253                      | 446                      | 492                | 255                   |
| 770          | 220         | 234                      | 418                      | 481                | 247                   | 811          | 231         | 254                      | 446                      | 485                | 247                   |
| 770          | 226         | 242                      | 427                      | 471                | 247                   | 812          | 228         | 247                      | 441                      | 486                | 252                   |
| 772          | 223         | 240                      | 421                      | 460                | 247                   | 820          | 228         | 255                      | 448                      | 485                | 245                   |
| 774          | 218         | 245                      | 431                      | 461                | 240                   | 821          | 231         | 261                      | 453                      | 486                | 253                   |
| 774          | 220         | 242                      | 426                      | 474                | 245                   | 821          | 237         | 255                      | 454                      | 490                | 264                   |
| 776          | 220         | 243                      | 427                      | 473                | 241                   | 828          | 234         | 267                      | 448                      | 496                | 254                   |
| 777          | 224         | 247                      | 426                      | 472                | 235                   | 838          | 232         | 252                      | 455                      | 505                | 261                   |
| 777          | 224         | 247                      | 430                      | 477                | 242                   | 857          | 242         | 257                      | 461                      | 512                | 261                   |
| 778          | 216         | 238                      | 425                      | 473                | 241                   | 915          | 254         | 281                      | 494                      | 551                | 282                   |
| 783          | 225         | 246                      | 431                      | 475                | 250                   | 933          | 264         | 280                      | 501                      | 563                | 295                   |
| 784          | 221         | 245                      | 438                      | 482                | 247                   | 944          | 268         | 285                      | 505                      | 566                | 300                   |
| 784          | 224         | 246                      | 428                      | 482                | 252                   | 1118         | 290         | 315                      | 568                      | 622                | 330                   |
| 785          | 224         | 247                      | 433                      | 468                | 241                   | 1155         | 293         | 328                      | 579                      | 643                | 338                   |
| 787          | 219         | 245                      | 432                      | 473                | 234                   |              |             |                          |                          |                    |                       |
| 787          | 222         | 239                      | 436                      | 478                | 247                   |              |             |                          |                          |                    |                       |
| 787          | 224         | 252                      | 436                      | 471                | 241                   |              |             |                          |                          |                    |                       |
| 787          | 225         | 245                      | 427                      | 476                | 246                   |              |             |                          |                          |                    |                       |

\*From the Philippine Bureau of Fisheries

Table 16 Yellowfin from the Northwestern Pacific: Ragay Gulf,  
Bicol Peninsula, Luzon, Philippines\*

| Total Length | Head Length | Snout to Ins. 1st Dorsal | Snout to Ins. 2nd Dorsal | Snout to Ins. Anal | Snout to Ins. Ventral | Total Length | Head Length | Snout to Ins. 1st Dorsal | Snout to Ins. 2nd Dorsal | Snout to Ins. Anal | Snout to Ins. Ventral |
|--------------|-------------|--------------------------|--------------------------|--------------------|-----------------------|--------------|-------------|--------------------------|--------------------------|--------------------|-----------------------|
| 490          | 137         | 148                      | 260                      | 299                | 157                   | 797          | 222         | 247                      | 432                      | 485                | 247                   |
| 710          | 208         | 228                      | 402                      | 440                | 234                   | 812          | 220         | 242                      | 439                      | 486                | 257                   |
| 729          | 206         | 228                      | 393                      | 441                | 233                   | 846          | 236         | 244                      | 444                      | 521                | 266                   |
| 736          | 211         | 236                      | 414                      | 451                | 232                   | 861          | 229         | 268                      | 473                      | 512                | 257                   |
| 740          | 207         | 231                      | 410                      | 447                | 225                   | 902          | 243         | 258                      | 466                      | 554                | 284                   |
| 746          | 214         | 237                      | 413                      | 445                | 234                   |              |             |                          |                          |                    |                       |
| 757          | 214         | 238                      | 416                      | 462                | 236                   |              |             |                          |                          |                    |                       |
| 757          | 216         | 237                      | 420                      | 467                | 246                   |              |             |                          |                          |                    |                       |
| 775          | 220         | 242                      | 422                      | 481                | 240                   |              |             |                          |                          |                    |                       |
| 788          | 219         | 236                      | 422                      | 477                | 244                   |              |             |                          |                          |                    |                       |

Table 17. Yellowfin from the Northwestern Pacific: South Sulu Sea, Philippines\*

|     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|
| 437 | 134 | 143 | 258 | 281 | 163 |
| 589 | 174 | 192 | 331 | 367 | 200 |

\*From the Philippine Bureau of Fisheries

Table 18. Yellowfin from the South Central Pacific: Marquesas Island  
(Frozen specimens measured in Honolulu)

| Total Length | Weight           | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventrals to<br>Ant. Edge Vent. | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Collector |
|--------------|------------------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|-------------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|-----------|
| 754          | 20 $\frac{1}{2}$ | 218         | 240                         | 414                         |                       |                          |                                     |                        | 247             | 97                | 125         | 33            | 10/22           | f   | 4/49           | P1   | FCJ       |
| 768          | 19 $\frac{1}{2}$ | 216         | 245                         | 422                         | 455                   |                          |                                     |                        | 237             | 120               | 121         | 30            | 8/21            | m   | 4/49           | P1   | KY        |
| 769          | 19               | 218         | 235                         | 409                         | 450                   |                          |                                     |                        | 232             | 135               | 149         | 30            | 10/20           | m   | 4/49           | P1   | KY        |
| 780          | 19 $\frac{1}{2}$ | 224         | 240                         | 413                         |                       |                          |                                     |                        | 237             |                   | 132         |               | 11/20           |     | 4/49           | P1   | FCJ       |
| 782          | 20               | 216         | 248                         | 421                         | 455                   |                          |                                     |                        | 208             | 148               | 148         | 33            | 11/20           | m   | 4/49           | P1   | KY        |
| 788          | 21 $\frac{1}{2}$ | 225         | 245                         | 420                         | 472                   |                          |                                     |                        | 241             | 139               | 129         |               | 9/20            |     | 4/49           | P1   | MBS       |
| 796          | 26               | 227         | 249                         | 426                         |                       |                          |                                     |                        | 253             | 144               | 152         | 35            | 10/21           | f   | 4/49           | P1   | FCJ       |
| 798          | 22               | 226         | 248                         | 432                         | 476                   |                          |                                     |                        | 231             | 124               | 128         | 33            | 9/20            | f   | 4/49           | P1   | MBS       |
| 799          | 22               | 224         | 243                         | 428                         |                       |                          |                                     |                        | 256             | 133               | 167         | 34            | 12/21           | f   | 4/49           | P1   | FCC       |
| 801          | 22 $\frac{1}{2}$ | 225         | 251                         | 426                         | 470                   |                          |                                     |                        | 241             | 123               | 134         | 33            |                 | m   | 4/49           | P1   | MBS       |
| 801          | 22 $\frac{1}{2}$ | 226         | 241                         | 429                         |                       |                          |                                     |                        | 239             |                   |             |               |                 |     | 4/49           |      | FCJ       |
| 807          | 22 $\frac{1}{2}$ | 227         | 240                         | 432                         | 435                   |                          |                                     |                        | 249             | 149               | 173         | 33            | 10/21           | m   | 4/49           | P1   | MBS       |
| 821          | 25               | 229         | 259                         | 444                         |                       |                          |                                     |                        | 261             | 132               | 147         | 35            |                 | m   | 4/49           | P1   | FCC       |
| 903          | 30 $\frac{1}{2}$ | 238         | 264                         | 478                         | 519                   |                          |                                     |                        | 267             |                   |             | 34            | 9/21            | m   | 4/49           |      | KY        |

Table 19. Yellowfin from the South Central Pacific: Society Islands  
(Frozen specimens measured in Honolulu)

|     |     |     |     |     |     |  |  |  |     |    |    |    |       |   |      |    |     |
|-----|-----|-----|-----|-----|-----|--|--|--|-----|----|----|----|-------|---|------|----|-----|
| 496 | 5.5 | 142 | 160 | 273 | 298 |  |  |  | 148 | 62 | 56 | 26 | 9/21  |   | 4/49 | P1 | MBS |
| 497 | 6.0 |     | 164 | 281 |     |  |  |  | 140 | 56 | 49 | 25 | 10/22 | f | 4/49 | P1 | FCJ |
| 504 | 7.0 | 150 | 169 | 286 |     |  |  |  | 141 | 56 |    | 25 | 11/21 |   | 4/49 | P1 | MBS |
| 510 | 6.0 | 146 | 157 | 279 | 309 |  |  |  | 154 | 65 | 56 | 26 | 9/21  |   | 4/49 | P1 | MBS |
| 513 | 6   |     | 152 |     |     |  |  |  |     | 62 | 64 | 27 | 10/20 |   | 4/49 | P1 | MBS |
| 519 | 6.5 | 151 | 168 | 285 |     |  |  |  | 146 | 63 | 64 | 26 | 10/21 |   | 4/49 | P1 | MBS |
| 523 | 6.5 | 154 | 166 | 292 | 322 |  |  |  | 155 | 65 | 61 | 27 | 8/21  | f | 4/49 | P1 | MBS |
| 531 | 7.0 | 159 | 175 | 296 |     |  |  |  | 160 | 63 | 62 | 27 | 11/22 | m | 4/49 | P1 | FCJ |
| 547 | 8.0 |     | 179 | 307 |     |  |  |  | 172 | 67 | 67 | 29 | 10/20 | m | 4/49 | P1 | FCC |
| 550 | 8.0 | 160 | 176 | 303 |     |  |  |  | 182 | 71 | 74 | 27 | 8/18  | f | 4/49 | P1 | FCC |
| 559 | 8.5 | 161 | 182 | 313 |     |  |  |  | 184 | 77 | 69 | 27 | 10/22 | m | 4/49 | P1 | FCJ |
| 565 | 8.0 |     | 181 | 313 |     |  |  |  | 171 | 66 | 68 | 27 | 8/20  |   | 4/49 | P1 | FCC |
| 571 | 9.5 | 161 | 182 | 317 | 353 |  |  |  | 173 | 69 | 71 | 29 | 10/22 | f | 4/49 | P1 | IFG |
| 572 | 9.0 | 165 | 181 | 313 | 346 |  |  |  | 181 | 74 | 74 | 28 | 8/19  |   | 4/49 | P1 | MBS |
| 576 | 9.0 | 164 | 180 | 315 |     |  |  |  | 181 | 68 | 70 | 27 | 10/21 | m | 4/49 | P1 | FCC |

Table 19 Yellowfin from the South Central Pacific: Society Islands (Continued)  
(Frozen specimens measured in Honolulu)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. ventrals to<br>Ant. Edge Vent. | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|-------------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 582          | 9.5    | 169         | 182                         | 323                         |                       |                          |                                     |                        | 181             |                   |             | 26            |                 | m   | 4/49           | P1   | FCJ      |
| 599          | 10.1   |             | 189                         | 328                         |                       |                          |                                     |                        | 182             | 75                | 76          | 28            | 10/21           | m   | 4/49           | P1   | FCC      |
| 602          | 10     | 176         | 191                         | 332                         |                       |                          |                                     |                        | 194             |                   |             | 28            | 9/22            | m   | 4/49           | P1   | FCC      |
| 623          | 11     | 176         | 199                         | 344                         | 376                   |                          |                                     |                        | 210             | 103               | 102         | 29            | 10/20           | m   | 4/49           | P1   | MBS      |
| 638          | 12.1   | 180         | 197                         | 340                         | 388                   |                          |                                     |                        | 191             | 91                | 95          | 31            | 9/22            | m   | 4/49           | P1   | TFG      |
| 756          | 19.1   | 214         | 236                         | 413                         | 450                   |                          |                                     |                        | 253             | 122               | 132         | 31            | 9/20            | f   | 4/49           | P1   | MBS      |
| 773          | 19     | 216         | 236                         | 404                         | 454                   |                          |                                     |                        | 245             | 132               | 106         | 32            | 10/21           | m   | 4/49           | P1   | MBS      |
| 826          | 34     | 221         | 246                         | 441                         |                       |                          |                                     |                        | 263             |                   |             | 33            |                 |     | 4/49           | P1   | MBS      |
| 841          | 25     | 228         | 246                         | 448                         |                       |                          |                                     |                        | 281             | 150               | 166         | 33            | 9/20            | f   | 4/49           | P1   | MBS      |
| 846          |        | 231         | 252                         | 451                         | 497                   |                          |                                     |                        | 256             | 134               | 132         | 32            |                 |     | 4/49           | P1   | MBS      |
| 865          |        | 231         | 249                         | 448                         |                       |                          |                                     |                        | 266             | 169               | 173         | 33            |                 |     | 4/49           | P1   | FCJ      |
| 866          | 28     | 235         | 263                         | 451                         | 509                   |                          |                                     |                        | 263             | 163               | 157         | 33            | 9/20            | f   | 4/49           | P1   | MBS      |
| 868          |        | 236         | 266                         | 461                         |                       |                          |                                     |                        | 265             | 123               | 148         | 31            |                 |     | 4/49           | P1   | FCJ      |
| 881          |        | 238         | 255                         | 462                         |                       |                          |                                     |                        | 293             | 170               | 169         | 34            |                 |     | 4/49           | P1   | FCJ      |
| 905          |        | 238         |                             | 469                         | 527                   |                          |                                     |                        | 281             | 154               | 174         | 33            | 9/20            | m   | 4/49           | P1   | MBS      |
| 1423         |        |             | 379                         | 700                         |                       |                          |                                     |                        | 373             | 427               |             | 42            |                 |     | 4/49           | P1   | MBS      |
| 1427         |        | 358         | 390                         | 713                         |                       |                          |                                     |                        | 376             | 476               | 497         | 41            |                 |     | 4/49           | P1   | MBS      |



Table 20. Bigeye from the Eastern Equatorial Pacific:  
120° W. Longitude

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventrals to<br>Ant. Edge Vent. | Greatest Body<br>Depth | Length Pectoral | Height Ant. Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Tag | Remarks |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|-------------------------------------|------------------------|-----------------|--------------------|-------------|---------------|-----------------|-----|----------------|-----|---------|
| 1101         | 85     | 337         | 340                         | 607                         | 680                   | 389                      | 316                                 | 314                    | 390             | 166                | 157         | 44            | 11/18           | f   | 5/52           | L1  | III     |
| 1203         |        | 362         | 373                         | 673                         | 727                   | 408                      | 348                                 | 354                    | 389             | 181                | 194         | 48            | 8/18            | f   | 10/52          | L1  | TSH     |
| 1220         |        | 361         | 368                         | 639                         | 700                   | 399                      | 325                                 | 352                    | 348             | 172                | 176         | 48            | 8/19            | m   | 5/52           | L1  | III     |
| 1291         |        | 389         | 392                         | 705                         | 773                   | 428                      | 354                                 | 357                    | 359             | 217                | 222         | 48            | 9/18            | f   | 5/52           | L1  | III     |
| 1291         | 100    | 387         | 390                         | 695                         | 782                   | 424                      | 399                                 | 355                    | 359             | 191                | 196         | 51            | 7/20            | m   | 10/52          | L1  | GIM     |
| 1310         | 124    | 394         | 410                         | 723                         | 789                   | 425                      | 384                                 | 390                    | 365             | 200                | 196         | 48            | 9/17            | f   | 5/52           | L1  | WVC     |
| 1311         |        | 388         | 415                         | 726                         | 776                   | 423                      | 365                                 | 363                    | 351             | 188                | 194         | 50            | 9/18            | f   | 5/52           | L1  | III     |
| 1332         |        | 390         | 401                         | 720                         | 791                   | 436                      | 387                                 | 386                    | 383             | 211                | 215         | 49            | 7/17            | m   | 5/52           | L1  | WVC     |
| 1339         |        | 386         | 410                         | 722                         | 790                   | 421                      | 394                                 | 389                    | 369             | 235                | 198         | 49            | 9/19            | m   | 5/52           | L1  | III     |
| 1383         |        | 410         | 404                         | 748                         | 843                   | 458                      | 414                                 | 378                    | 385             | 208                | 206         | 51            | 9/19            | f   | 10/52          | L1  | TJR     |
| 1407         | 130    | 413         | 424                         | 749                         | 829                   | 453                      | 401                                 | 419                    | 385             | 254                | 225         | 50            | 8/18            | m   | 5/52           | L1  | WVC     |
| 1422         |        | 421         | 434                         | 788                         | 863                   | 463                      | 413                                 | 404                    | 388             | 218                | 224         | 53            | 8/18            | f   | 10/52          | L1  | TSH     |
| 1445         |        | 425         | 438                         | 767                         | 849                   | 473                      | 405                                 | 426                    | 365             | 220                | 233         | 56            | 10/19           | m   | 11/52          | L1  | TJR     |
| 1456         |        | 433         | 430                         | 786                         | 872                   | 487                      | 421                                 | 417                    | 373             | 252                | 237         | 52            | 9/18            | m   | 10/52          | L1  | GIM     |
| 1471         |        | 446         | 451                         | 805                         | 896                   | 502                      | 423                                 | 425                    | 366             | 235                | 233         | 55            | 8/19            | f   | 10/52          |     | TSH     |
| 1481         | 147    | 438         | 470                         | 801                         | 871                   | 476                      | 410                                 | 434                    | 308             | 234                | 214         | 52            | 9/18            | m   | 10/52          | L1  | TJR     |
| 1485         | 147    | 438         | 440                         | 806                         | 891                   | 520                      | 393                                 | 400                    | 397             | 263                | 244         | 51            | 9/18            | m   | 10/52          | L1  | TSH     |
| 1513         | 214    | 436         | 454                         | 808                         | 878                   | 478                      | 422                                 | 438                    | 386             | 267                | 249         | 57            | 10/19           | m   | 5/52           |     | III     |
| 1547         |        | 446         | 462                         | 834                         | 932                   | 497                      | 456                                 | 463                    | 394             | 239                | 235         | 56            | 9/19            | f   | 5/52           | L1  | III     |
| 1566         |        | 470         | 463                         | 839                         | 960                   | 513                      | 492                                 | 437                    | 389             | 275                | 263         | 62            | 9/18            | m   | 11/52          | L1  | GIM     |
| 1589         |        | 455         | 470                         | 848                         | 945                   | 523                      | 448                                 | 455                    | 391             | 234                | 252         | 57            | 8/18            | m   | 10/52          | L1  | TSH     |
| 1597         | 200    | 456         | 485                         | 860                         | 942                   | 503                      | 470                                 | 466                    | 398             | 289                | 286         | 52            | 9/20            | m   | 5/52           | L1  | WVC     |
| 1600         |        | 471         | 477                         | 863                         | 953                   | 528                      | 472                                 | 452                    | 396             | 274                | 250         | 57            | 9/19            | m   | 10/52          | L1  | TSH     |
| 1601         |        | 470         | 469                         | 861                         | 965                   | 531                      | 450                                 | 469                    | 421             | 278                | 275         | 58            | 10/19           | m   | 10/52          | L1  | TSH     |
| 1603         |        | 479         | 495                         | 871                         | 953                   | 513                      | 455                                 | 443                    |                 | 280                | 247         | 59            | 9/18            | m   | 6/52           | L1  | III     |
| 1610         | 205    | 464         | 480                         | 870                         | 946                   | 510                      | 466                                 | 463                    | 380             | 267                | 260         | 59            | 9/19            | f   | 11/52          | L1  | GIM     |
| 1615         | 200    | 471         | 488                         | 866                         | 946                   | 522                      | 441                                 | 446                    | 388             | 267                | 280         | 54            | 9/18            | m   | 6/52           | L1  | III     |
| 1624         |        | 465         | 475                         | 860                         | 943                   | 521                      | 468                                 | 470                    | 385             | 239                | 252         | 58            | 8/18            | m   | 10/52          | L1  | TJR     |
| 1625         |        | 470         | 485                         | 867                         | 959                   | 530                      | 455                                 | 466                    | 390             | 255                | 262         | 60            | 8/20            |     | 10/52          | L1  | GIM     |
| 1633         |        | 470         | 488                         | 873                         | 983                   | 527                      | 485                                 | 477                    | 385             | 291                | 259         | 58            | 8/21            | m   | 10/52          | L1  | GIM     |

Table 20. Bigeye from the Eastern Equatorial Pacific:  
120° W. Longitude (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventrals to<br>Ant. Edge Ventr. | Greatest Body<br>Depth | Length P. cord. | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Color | Examination |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|--------------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|-------|-------------|
| 1639         | 182    | 468         | 465                         | 855                         | 973                   | 532                      | 463                                  | 445                    | 394             | 280               | 271         | 59            | 8/18            | f   | 10/52          | L1    | TSH         |
| 1639         | 228    | 475         | 490                         | 875                         | 990                   | 547                      | 473                                  | 477                    | 400             | 250               | 281         | 55            | 8/18            | m   | 10/52          | L1    |             |
| 1642         | 185    | 482         | 503                         | 896                         | 981                   | 587                      | 475                                  | 475                    | 393             | 260               | 213         | 52            | 9/19            | m   | 10/52          | L1    | TSH         |
| 1657         |        | 471         | 470                         | 869                         | 978                   | 517                      | 482                                  | 470                    | 382             | 253               | 268         | 57            | 8/17            | m   | 5/52           | L1    | III         |
| 1667         | 215    | 473         | 494                         | 880                         | 983                   | 535                      | 482                                  | 475                    | 411             | 286               | 269         | 59            | 9/18            | m   |                | L1    | GIM         |
| 1670         | 193    | 477         | 492                         | 880                         | 979                   | 543                      | 474                                  | 479                    | 382             | 235               | 265         | 56            | 9/19            | m   | 10/52          | L1    |             |
| 1672         |        | 477         | 488                         | 888                         | 982                   | 526                      | 490                                  |                        | 391             | 261               | 289         | 59            | 9/19            | m   | 5/52           | L1    | WVC         |
| 1692         | 220    | 484         | 497                         | 893                         | 992                   | 541                      | 480                                  | 458                    | 395             | 287               | 275         | 57            | 9/19            | m   | 10/52          | L1    | TSH         |
| 1701         | 223    | 499         | 505                         | 891                         | 1006                  | 546                      | 497                                  | 486                    | 403             | 279               | 281         | 59            | 9/18            | m   | 10/52          | L1    | GIM         |
| 1715         | 245    | 499         | 496                         | 897                         | 1008                  | 550                      | 494                                  | 462                    | 404             | 282               | 272         | 53            | 9/18            | m   | 10/52          | L1    | TSH         |
| 1714         |        | 498         | 512                         | 903                         | 1016                  | 555                      | 492                                  | 470                    | 410             | 246               | 266         | 63            | 10/18           | f   | 5/52           | L1    |             |
| 1754         |        | 506         | 520                         | 926                         | 1030                  | 562                      | 507                                  | 523                    | 417             | 292               | 285         | 59            | 8/17            | m   | 5/52           | L1    | III         |
| 1786         |        | 516         | 529                         | 945                         | 1054                  | 567                      | 510                                  | 526                    | 423             | 277               | 257         | 60            | 8/18            | m   | 5/52           | L1    | III         |
| 1835         | 251    | 516         | 521                         | 954                         | 1069                  | 579                      | 534                                  | 515                    | 399             | 283               | 266         | 60            | 8/18            | m   | 10/52          | L1    | TSH         |
| 1883         |        | 510         |                             | 970                         | 1042                  | 553                      | 518                                  | 522                    | 420             | 292               |             | 61            | 7/18            | m   | 6/52           | L1    | WVC         |
| 1962         |        | 535         | 574                         | 1025                        | 1135                  | 593                      | 574                                  | 551                    | 426             | 323               | 307         | 57            | 9/18            | m   | 5/52           | L1    | III         |

Table 21. Bigeye from the Central Equatorial Pacific:  
130° W. Longitude

|      |         |     |     |     |      |     |     |     |     |     |     |    |       |   |       |    |     |
|------|---------|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|----|-------|---|-------|----|-----|
| 1010 | 50      | 307 | 322 | 572 | 618  | 337 | 293 | 291 | 318 | 137 | 147 | 45 | 9/19  | m | 11/52 | L1 | TJR |
| 1312 |         | 383 | 393 | 706 | 794  | 429 | 388 | 358 | 364 | 206 | 221 | 49 | 9/17  | f | 6/52  | L1 | WVC |
| 1456 | 156     | 428 | 434 | 796 | 881  | 476 | 432 | 411 | 396 | 232 | 230 | 54 | 9/19  | m | 11/52 | L1 | TJR |
| 1460 | 145 1/2 | 420 | 437 | 790 | 871  | 476 | 420 | 412 | 398 | 228 | 237 | 57 | 8/18  | f | 11/52 | L1 | TJR |
| 1480 | 142     | 438 | 426 | 797 | 886  | 486 | 413 | 391 | 378 | 215 | 214 | 58 | 8/18  | f | 11/52 | L1 | TSH |
| 1512 | 164     |     | 453 | 825 | 895  | 497 | 404 | 408 |     | 227 | 234 | 63 | 8/18  | f | 11/52 | L1 | TSH |
| 1584 | 190     | 460 | 469 | 845 | 952  | 507 | 473 | 455 | 385 | 248 | 237 | 56 | 8/19  | m | 11/52 | L1 | GIM |
| 1603 |         | 462 | 468 | 875 | 954  | 509 | 462 | 466 | 401 | 263 | 245 | 54 | 10/19 | f | 6/52  | L1 | III |
| 1635 | 185     | 464 | 476 | 864 | 970  | 527 | 479 | 438 | 410 | 284 | 277 | 60 | 9/18  | m | 11/52 | L1 | TSH |
| 1660 | 186     | 484 | 481 | 885 | 1030 | 556 | 482 | 469 | 392 | 275 | 214 | 63 | 9/19  | m | 11/52 | L1 | TSH |

Table 21. Bigeye from the Central Equatorial Pacific:  
130° W. Longitude (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventrals to<br>ant. Edge Vent | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Year | Specimen |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|------------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 1663         |        | 470         | 494                         | 883                         | 986                   | 523                      | 490                                | 474                    | 376             | 255               | 263         | 62            | 9/19            | m   | 6/52           | L1   | III      |
| 1741         | 229    | 474         | 500                         | 914                         | 1002                  | 527                      | 503                                | 475                    | 426             | 269               | 255         | 66            | 8/18            | m   | 11/52          | L1   | TJR      |
| 1751         | 233½   | 502         | 504                         | 908                         | 1020                  | 557                      | 486                                | 476                    | 421             | 288               | 286         | 66            | 9/19            | m   | 11/52          | L1   | TJR      |
| 1753         | 260    | 504         | 516                         | 925                         | 1038                  | 567                      | 497                                | 490                    | 400             | 300               | 275         | 65            | 8/19            | m   | 11/52          | L1   | GIM      |
| 1886         | 305    | 543         | 534                         | 1005                        | 1113                  | 584                      | 553                                | 523                    | 429             | 314               | 389         | 60            | 9/18            | m   | 11/52          | L1   | GIM      |
| 1888         |        | 528         | 542                         | 975                         | 1095                  | 592                      | 540                                | 521                    | 424             | 291               | 287         | 65            | 9/18            | m   | 6/52           | L1   | III      |
| 1925         |        | 532         | 554                         | 995                         | 1090                  | 587                      | 527                                | 515                    | 409             | 298               | 309         | 63            | 8/19            | m   | 6/52           | L1   | WVC      |

Table 22. Bigeye from the Central Equatorial Pacific:  
140° W. Longitude

|      |     |     |     |     |     |     |     |     |     |     |     |    |       |   |      |    |     |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-------|---|------|----|-----|
| 1328 | 112 | 383 | 399 | 717 | 797 | 427 | 391 | 372 | 375 | 201 | 204 | 50 |       | f | 9/52 | L1 | RS  |
| 1371 |     | 407 | 417 | 743 | 831 | 458 | 380 | 378 | 371 | 238 | 217 | 51 | 10/19 | m | 8/52 | L1 | WMM |
| 1391 |     | 406 | 421 | 756 | 845 | 451 | 418 | 399 | 370 | 210 | 237 | 54 | 8/18  |   | 9/52 | L1 |     |
| 1467 | 143 | 425 | 437 | 780 | 859 | 473 | 414 | 429 | 369 | 235 | 244 | 68 |       | m | 8/52 | L1 | WFR |
| 1504 |     | 433 | 447 | 801 | 900 | 485 | 444 | 442 | 388 | 241 | 244 | 55 | 8/19  | m | 9/52 | L1 | WMM |
| 1510 |     | 445 | 447 | 799 | 908 | 483 | 437 | 421 | 407 | 239 | 235 | 54 | 9/18  | f | 8/52 | L1 | WMM |
| 1516 |     | 430 | 448 | 798 | 895 |     |     | 422 | 397 | 245 | 242 | 55 |       | m | 9/52 | L1 | RS  |
| 1540 |     | 452 | 451 | 809 |     | 501 | 434 | 436 | 390 | 242 | 241 | 46 | 8/18  | m | 9/52 | L1 | DLM |
| 1546 |     | 453 | 473 | 853 | 929 | 503 | 442 | 449 | 379 | 246 | 237 | 67 |       | f | 9/52 | L1 | WFR |
| 1573 |     | 467 | 479 | 852 | 934 | 506 | 460 | 485 | 377 | 280 | 253 | 56 | 8/17  | m | 9/52 | L1 | DLM |
| 1575 |     | 454 | 483 | 854 | 943 | 510 |     |     | 367 | 252 | 230 | 62 | 10/18 | f | 8/52 | L1 | DLM |
| 1578 | 200 | 456 | 477 | 855 | 938 | 510 | 455 | 467 | 388 | 250 | 241 | 54 |       | f | 8/52 | L1 | RS  |
| 1586 |     | 457 | 477 | 856 | 948 | 505 | 469 | 466 | 384 | 245 | 232 | 55 | 9/19  | m | 9/52 | L1 | WMM |
| 1591 |     | 449 | 479 | 851 | 923 | 493 | 460 | 466 | 374 | 239 | 246 | 67 |       | m | 8/52 |    | WFR |
| 1596 | 196 | 452 | 484 | 869 | 954 | 502 | 475 | 457 | 388 | 242 | 270 | 65 |       | f | 9/52 | L1 | WFR |
| 1599 |     | 461 | 467 | 857 | 956 | 508 | 474 | 474 | 400 | 246 | 242 | 53 | 8/18  | f | 9/52 | L1 | DLM |
| 1603 |     | 470 | 484 | 876 | 978 | 525 | 476 | 453 | 369 | 268 | 262 | 55 | 9/19  | f | 9/52 | L1 | WMM |
| 1616 | 212 | 470 | 470 | 875 | 962 | 528 | 460 | 475 | 406 | 269 | 255 | 60 |       | f | 9/52 | L1 | RS  |
| 1623 |     | 468 | 465 | 858 | 954 | 514 | 469 | 458 | 382 | 254 | 262 | 56 | 9/18  | m | 9/52 | L1 | WMM |
| 1660 |     | 479 | 487 | 883 | 984 | 535 | 475 | 479 | 402 | 265 | 259 | 62 | 9/18  | m | 8/52 | L1 | WMM |

Table 22. Bigeye from the Central Equatorial Pacific:  
140° W. Longitude (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventrals to<br>Ant. Edge Vent | Greatest Body<br>Depth | Length Pe total | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|------------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 1688         |        | 471         | 484                         | 873                         | 965                   | 520                      | 474                                | 468                    | 391             | 262               | 256         | 58            | 10/19           | m   | 9/52           | L1   | DLM      |
| 1692         |        | 498         | 523                         | 915                         | 1017                  | 546                      | 495                                | 480                    | 388             | 281               | 267         | 57            | 9/18            | m   | 9/52           | L1   | WMM      |
| 1692         | 233    | 474         | 504                         | 901                         | 1001                  | 529                      | 498                                | 498                    | 394             | 265               | 268         | 57            |                 | m   | 8/52           | L1   | RS       |
| 1704         | 230    | 490         | 519                         | 904                         | 1000                  | 543                      | 481                                | 485                    | 395             | 254               | 255         | 69            |                 | f   | 9/52           | L1   | WFR      |
| 1714         |        | 496         | 523                         | 909                         | 1011                  | 559                      | 473                                | 495                    | 380             | 269               | 286         | 62            | 8/18            | m   | 6/52           | L1   | JEK      |
| 1724         |        | 490         | 505                         | 909                         | 1018                  | 550                      | 488                                | 475                    | 414             | 239               | 242         | 55            | 9/18            | m   | 9/52           | L1   | WMM      |
| 1739         |        | 497         | 519                         | 935                         | 1035                  | 566                      | 531                                | 524                    | 388             | 272               | 279         | 58            | 8/19            | m   | 9/52           | L1   | DLM      |
| 1740         |        | 506         | 539                         | 950                         | 1046                  | 557                      | 513                                | 500                    | 394             | 248               | 244         | 62            |                 | m   | 8/52           |      | RS       |
| 1764         |        | 490         | 502                         | 935                         | 1039                  | 543                      | 514                                | 493                    | 374             | 274               | 256         | 56            | 10/18           | m   | 9/52           | L1   | WMM      |
| 1817         |        | 585         | 516                         | 937                         | 1044                  | 568                      | 503                                | 520                    | 418             | 292               | 274         | 62            | 8/19            | m   | 9/52           | L1   | DLM      |

Table 23. Bigeye from the Central Equatorial Pacific:  
Eastern Line Islands

|      |    |     |     |     |     |     |     |     |     |     |     |    |       |   |       |    |     |
|------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-------|---|-------|----|-----|
| 547  |    | 160 | 173 | 302 | 335 | 183 | 157 | 138 | 149 | 59  | 59  | 29 | 11/20 | m | 10/52 | L1 | III |
| 880  | 34 | 271 | 275 | 488 | 550 | 309 | 251 | 249 | 315 | 121 | 117 | 43 |       | m | 9/51  | L1 | TC  |
| 884  |    | 275 | 285 | 500 | 548 | 303 |     | 247 | 367 | 126 | 124 | 41 | 8/19  | f | 9/52  | L1 | WMM |
| 919  | 40 | 288 | 298 | 515 | 580 | 334 | 262 | 269 | 357 | 127 | 122 | 41 |       | m | 9/51  | L1 | III |
| 973  | 47 | 299 | 317 | 548 | 604 | 344 | 283 | 290 | 343 | 143 | 135 | 40 |       | f | 9/51  | L1 | III |
| 1057 | 56 | 315 | 326 | 575 | 644 | 367 | 296 | 300 | 372 | 164 | 150 | 42 |       | f | 9/51  | L1 | III |
| 1080 | 65 | 327 | 342 | 600 | 664 | 358 | 316 | 304 | 352 | 170 | 160 | 43 | 10/18 | m | 1/52  |    | TO  |
| 1096 | 65 | 339 | 350 | 609 | 685 | 383 | 318 | 321 | 363 | 177 | 185 | 48 |       | m | 9/51  | L1 | TC  |
| 1138 | 73 | 346 | 358 | 630 | 704 | 400 | 329 | 338 | 351 | 177 | 174 | 46 |       | m | 9/51  | L1 | TC  |
| 1147 |    | 339 | 359 |     | 696 | 374 | 340 |     | 374 |     | 163 | 48 |       | f | 1/52  |    | RS  |
| 1192 | 80 | 353 | 379 | 652 | 721 | 388 | 342 | 323 | 366 | 194 | 189 | 49 | 9/19  | m | 1/52  |    | RS  |
| 1192 | 80 | 354 | 361 | 651 | 734 | 404 | 351 | 326 | 336 | 203 | 194 | 49 |       | f | 9/51  | L1 | III |
| 1205 | 85 | 366 | 372 | 655 | 742 | 422 | 341 | 366 | 377 | 186 | 184 | 54 |       | m | 9/51  | L1 | TC  |
| 1206 | 85 | 361 | 376 | 674 | 730 | 406 | 335 | 339 | 353 | 205 | 199 | 46 |       | m | 1/52  |    | RS  |
| 1218 |    | 361 | 376 | 677 | 750 | 406 | 356 | 355 | 351 | 176 | 186 | 51 |       | m | 1/52  | L1 | RS  |

Table 23. *Physalaera* (Continued)  
Eastern Line Islands (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventrals to<br>Ant. Edge Vent | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Loc. | Remarks |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|------------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|---------|
| 1237         | 91     | 375         | 332                         | 370                         | 758                   | 473                      | 353                                | 311                    | 344             | 195               | 193         | 51            | 9/17            | m   | 8/51           | L1   | III     |
| 1240         | 95     | 381         | 395                         | 371                         | 755                   | 424                      | 356                                | 353                    | 336             | 215               | 213         | 50            |                 | m   | 9/51           | L1   | III     |
| 1270         |        | 376         | 336                         | 392                         | 773                   | 428                      | 372                                | 362                    | 342             | 203               | 197         |               |                 | m   | 11/50          | L1   | TO      |
| 1272         |        | 381         | 339                         |                             | 793                   |                          |                                    |                        | 374             |                   | 230         | 58            |                 | f   | 2/52           | L1   | RS      |
| 1290         |        | 386         | 387                         | 704                         | 790                   | 439                      | 376                                | 385                    | 344             | 192               | 196         | 52            |                 | f   | 1/52           |      | RS      |
| 1295         | 104    | 381         | 395                         | 693                         | 782                   | 438                      | 379                                | 379                    | 372             | 208               | 202         | 48            | 10/18           | m   | 8/51           | L1   | III     |
| 1296         | 104    | 390         | 406                         | 733                         | 809                   | 434                      | 366                                | 363                    | 352             | 205               | 210         | 59            |                 | f   | 2/52           | L1   | RS      |
| 1302         | 113    | 385         | 407                         | 721                         | 737                   | 430                      | 368                                | 370                    | 354             | 202               | 203         | 49            |                 | f   | 1/52           | L1   | TO      |
| 1312         | 110    |             | 385                         | 719                         | 805                   | 476                      | 361                                | 370                    | 273             | 186               | 205         | 50            |                 | m   | 8/51           | L1   | III     |
| 1314         | 108    | 384         | 386                         | 713                         | 817                   | 439                      | 393                                | 355                    | 348             | 197               | 208         | 50            |                 | m   | 8/51           | L1   | III     |
| 1339         | 125    | 396         | 403                         | 721                         | 815                   | 459                      | 393                                | 397                    | 356             | 220               | 223         | 51            | 9/18            | m   | 9/51           | L1   | III     |
| 1346         | 116    | 406         | 408                         | 724                         | 810                   | 467                      | 373                                | 375                    | 382             | 212               | 209         | 51            |                 | m   | 8/51           | L1   | III     |
| 1347         | 112    | 403         | 407                         | 730                         | 820                   | 466                      | 388                                | 401                    | 352             | 218               | 220         | 51            |                 | m   | 8/51           | L1   | EDS     |
| 1350         | 120    | 402         | 426                         | 749                         | 826                   | 453                      | 391                                | 394                    | 361             | 229               | 214         | 55            |                 | m   | 1/52           |      | TO      |
| 1375         | 125    | 397         | 417                         | 741                         | 831                   | 446                      | 398                                | 386                    | 331             | 208               | 217         | 53            |                 | f   | 1/52           |      | RC      |
| 1375         | 125    | 403         | 411                         | 742                         | 835                   | 468                      | 400                                | 401                    | 356             | 221               | 212         | 58            | 9/18            | f   | 9/51           | L1   | III     |
| 1376         | 123    | 398         | 419                         | 759                         | 828                   | 448                      | 391                                | 201                    | 369             | 221               | 233         | 54            |                 | m   | 2/51           |      | RS      |
| 1389         | 125    | 404         | 411                         | 743                         | 845                   | 479                      | 398                                | 373                    | 383             | 207               | 213         | 49            |                 | f   | 8/51           |      | III     |
| 1389         | 135    | 404         | 408                         | 747                         | 833                   | 463                      | 404                                | 392                    | 366             | 227               | 211         | 53            |                 | m   | 1/52           | L1   | III     |
| 1390         | 135    | 410         | 415                         | 751                         | 846                   | 466                      | 410                                |                        | 336             | 213               | 216         | 55            |                 | m   | 8/51           | L1   | III     |
| 1408         | 130    | 409         | 424                         | 756                         | 832                   | 467                      | 397                                | 406                    | 349             | 222               | 222         | 53            | 9/19            | m   | 8/51           | L1   | TO      |
| 1426         |        | 404         | 433                         |                             | 858                   | 451                      | 430                                | 421                    | 373             | 252               | 218         | 52            |                 | m   | 9/52           | L1   | WDM     |
| 1434         | 145    | 417         | 431                         | 783                         | 867                   | 464                      | 418                                | 406                    | 367             | 218               | 232         | 55            |                 | m   | 1/52           |      | TO      |
| 1443         | 148    | 433         | 441                         | 789                         | 877                   | 500                      | 410                                | 426                    | 366             | 235               | 224         | 56            |                 | f   | 9/51           | L1   | RC      |
| 1447         | 147    | 416         | 431                         | 780                         | 867                   | 470                      | 425                                | 407                    | 374             | 256               | 229         | 50            |                 | m   | 10/52          | L1   | III     |
| 1447         | 155    | 431         | 444                         | 778                         | 876                   | 487                      | 424                                | 412                    | 378             | 222               | 221         | 47            | 9/18            | f   | 9/51           | L1   | III     |
| 1462         | 158    | 430         | 448                         | 803                         | 831                   | 478                      | 400                                | 422                    | 363             | 229               | 229         | 59            |                 | f   | 2/52           |      | TO      |
| 1465         | 150    | 431         | 444                         | 792                         | 869                   | 490                      | 423                                | 416                    | 370             | 241               | 236         | 53            |                 | f   | 9/51           | L1   | TO      |
| 1477         | 157    | 445         | 430                         | 788                         | 899                   | 518                      | 441                                | 440                    | 382             | 228               | 228         | 53            |                 | m   | 8/51           | L1   | TO      |

Table 23. Bigeye from the Central Equatorial Pacific:  
Eastern Line Islands (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventrals to<br>Ant. Edge Vent. | Circumfer.<br>Depth | Length Pectoral | Height End Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Group | Examiner |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|-------------------------------------|---------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|-------|----------|
| 1492         |        | 430         | 422                         | 794                         | 896                   | 471                      | 440                                 | 399                 | 362             | 245               | 227         | 53            | 8/18            | f   | 9/52           | L1    | WDM      |
| 1494         |        | 433         | 465                         | 813                         | 905                   | 476                      | 434                                 | 415                 |                 | 226               | 237         | 62            |                 | m   | 8/52           | L1    | WFR      |
| 1495         |        | 445         | 462                         | 817                         | 910                   | 504                      |                                     | 425                 | 400             | 228               | 224         |               | 8/18            | f   | 10/50          | L1    | FCC      |
| 1506         |        | 440         | 452                         | 806                         | 910                   | 502                      | 426                                 | 433                 | 384             | 246               | 228         |               |                 | m   | 11/50          | L1    | DHB      |
| 1509         | 184    | 443         | 463                         | 828                         | 911                   | 496                      | 445                                 | 422                 | 389             | 227               | 259         | 55            | 10/17           | f   |                | L1    | III      |
| 1517         |        | 438         | 450                         | 798                         | 903                   | 488                      | 445                                 | 443                 | 384             | 235               | 249         | 56            | 8/19            | m   | 9/52           | L1    | DLM      |
| 1520         |        | 453         | 468                         | 821                         | 913                   | 500                      | 429                                 | 457                 | 380             | 254               | 265         | 49            |                 | m   | 8/52           | L1    | RS       |
| 1526         |        | 436         | 431                         | 811                         | 919                   | 501                      |                                     | 432                 | 390             | 237               | 234         |               | 9/18            | m   | 10/50          | L1    | FCC      |
| 1533         | 165    | 443         | 440                         | 812                         | 928                   | 524                      | 447                                 | 430                 | 382             | 252               | 232         | 53            |                 | m   | 9/51           | L1    | EDS      |
| 1535         | 168    | 460         | 473                         | 829                         | 932                   | 527                      | 432                                 | 420                 | 375             | 232               | 235         | 58            |                 | f   | 9/51           | L1    | III      |
| 1543         | 165    | 457         | 463                         | 821                         | 930                   | 513                      | 442                                 | 448                 | 389             | 250               | 246         | 56            |                 | f   | 8/51           | L1    | III      |
| 1545         | 172    | 452         | 463                         | 833                         | 933                   | 539                      | 437                                 | 445                 | 381             | 212               | 229         | 53            |                 | f   | 8/51           | L1    | III      |
| 1546         | 157    | 451         | 445                         | 822                         | 918                   | 505                      | 428                                 | 422                 | 361             | 261               | 250         | 55            |                 | f   | 9/51           | L1    | TC       |
| 1553         |        | 446         | 458                         | 831                         | 941                   | 495                      | 468                                 | 443                 | 393             | 253               | 251         | 59            | 8/19            | m   | 9/52           | L1    | WMM      |
| 1555         | 190    | 464         | 468                         | 825                         | 947                   | 525                      | 465                                 | 454                 | 365             | 245               | 244         | 62            |                 | f   | 9/51           | L1    | III      |
| 1558         | 187    | 456         | 465                         | 835                         | 936                   | 527                      | 435                                 | 444                 | 393             | 260               | 235         | 56            |                 | f   | 9/51           | L1    | III      |
| 1559         |        | 448         | 453                         | 839                         | 928                   | 510                      | 452                                 | 427                 | 366             | 242               | 242         |               |                 | m   | 11/50          | L1    | DHB      |
| 1568         | 180    | 466         | 463                         | 839                         | 940                   | 538                      | 431                                 | 447                 | 375             | 266               | 247         | 50            |                 | f   | 8/51           | L1    | III      |
| 1570         | 193    | 450         | 455                         | 831                         | 923                   | 509                      | 451                                 | 471                 | 375             | 265               | 234         | 57            |                 | m   | 9/51           | L1    | TC       |
| 1575         |        | 450         | 472                         | 845                         | 943                   | 505                      | 466                                 | 443                 | 395             | 241               | 266         | 56            | 9/20            | m   | 9/52           | L1    | DLM      |
| 1576         | 188    | 471         | 478                         | 831                         | 947                   | 524                      | 440                                 | 448                 | 362             | 350               | 344         | 60            |                 | f   | 8/51           | L1    | III      |
| 1582         |        | 453         | 472                         | 831                         | 931                   | 497                      | 449                                 | 450                 | 411             | 269               | 263         | 56            | 9/18            | m   | 9/52           | L1    | DLM      |
| 1587         | 180    | 461         | 479                         | 835                         | 928                   | 510                      | 450                                 | 445                 | 402             | 260               | 267         | 55            | 9/18            | m   | 10/52          | L1    | III      |
| 1588         | 190    | 456         | 466                         | 853                         | 946                   | 506                      | 469                                 | 448                 | 380             | 257               | 279         | 56            | 9/19            | m   | 10/52          | L1    | III      |
| 1600         |        | 452         | 459                         | 855                         | 951                   | 502                      | 470                                 | 423                 | 380             | 270               | 255         | 58            | 9/19            | f   | 9/52           | L1    | DLM      |
| 1602         | 193    | 454         | 471                         | 855                         | 953                   | 540                      | 450                                 | 477                 | 401             | 284               | 279         | 55            |                 | m   | 8/51           | L1    | III      |
| 1604         |        | 453         | 459                         | 846                         | 959                   | 505                      | 487                                 | 412                 | 373             | 259               | 258         |               |                 | m   | 11/50          | L1    | DHB      |
| 1605         | 188    | 458         | 475                         | 860                         | 950                   | 514                      | 454                                 | 455                 | 367             | 255               | 251         | 57            |                 | m   | 9/51           | L1    | III      |
| 1606         | 203    | 474         | 470                         | 853                         | 953                   | 527                      | 469                                 | 456                 | 370             | 215               | 217         | 59            |                 | m   | 8/52           | L1    | RS       |
| 1620         | 190    | 415         | 436                         | 809                         | 907                   | 469                      | 463                                 | 427                 | 393             |                   |             | 44            |                 | m   | 8/51           | L1    | III      |

Table 23. Bigeye from the Central Equatorial Pacific:  
Eastern Line Islands (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>anal | Snout to Ins.<br>ventral | Ins. Ventrals to<br>Ant. Edge Vent | Circum. of Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter 1st | No. Gill Rakers | Sex | Month and Year | Gear | Tissue |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|------------------------------------|--------------------------|-----------------|-------------------|-------------|--------------|-----------------|-----|----------------|------|--------|
| 1625         | 215    | 480         | 492                         | 882                         | 978                   | 544                      | 460                                | 474                      | 385             | 262               | 238         | 58           | 9/18            | m   | 8/51           | L1   | III    |
| 1630         | 190    | 475         | 478                         | 875                         | 973                   | 537                      | 490                                |                          | 374             | 238               | 249         | 60           |                 | m   | 9/51           | L1   | TC     |
| 1634         | 200    | 478         | 480                         | 865                         | 970                   | 544                      | 463                                | 457                      | 410             | 273               | 273         |              |                 | m   | 8/51           | L1   | III    |
| 1642         | 198    | 468         | 494                         | 878                         | 964                   | 520                      | 455                                | 454                      |                 | 272               | 264         | 77           |                 | m   | 8/52           | L1   | WFR    |
| 1645         | 225    | 486         | 493                         | 900                         | 987                   | 547                      | 464                                | 471                      | 386             | 264               | 259         | 58           |                 | f   | 9/51           | L1   | III    |
| 1651         | 207    | 485         | 487                         | 876                         | 985                   | 548                      | 465                                | 463                      | 382             | 277               | 215         | 60           |                 | f   | 9/51           | L1   | III    |
| 1660         | 225    | 477         | 483                         | 891                         | 985                   | 538                      | 477                                | 481                      | 402             | 281               | 262         | 55           | 9/18            | f   | 9/51           | L1   | III    |
| 1661         |        | 487         | 502                         | 880                         | 984                   | 539                      | 478                                | 494                      | 410             | 275               | 274         | 57           |                 | m   | 9/52           | L1   | DLM    |
| 1661         | 218    | 478         | 489                         | 883                         | 995                   | 551                      | 478                                | 475                      | 380             | 231               | 246         | 51           |                 | f   | 9/51           | L1   | III    |
| 1668         | 206    | 501         | 479                         | 881                         | 999                   | 590                      | 444                                | 465                      | 391             | 261               | 261         | 56           |                 | m   | 9/51           | L1   | III    |
| 1673         | 232    | 485         | 483                         | 878                         | 998                   | 556                      | 481                                | 483                      | 403             | 277               | 273         | 56           | 8/19            | m   | 9/51           | L1   | TC     |
| 1690         | 229    | 497         | 489                         | 884                         | 1005                  | 558                      | 485                                | 480                      | 406             | 283               | 277         | 62           |                 | m   | 9/51           | L1   | TC     |
| 1692         |        | 484         | 503                         | 889                         | 996                   | 539                      | 482                                | 484                      | 382             | 256               | 242         | 60           |                 | m   | 9/52           | L1   | DLM    |
| 1699         | 245    | 495         | 513                         | 907                         | 1008                  | 554                      | 485                                | 497                      | 412             | 305               | 275         | 56           |                 | m   | 9/51           | L1   | III    |
| 1700         |        | 501         | 510                         | 916                         | 1001                  | 542                      | 481                                | 474                      |                 | 248               | 247         | 68           |                 | f   | 8/52           | L1   | WFR    |
| 1710         | 228    | 490         | 487                         | 902                         | 1008                  | 559                      | 490                                | 465                      | 396             | 267               | 272         | 54           | 9/18            | m   | 8/51           | L1   | III    |
| 1713         |        | 486         | 507                         | 898                         | 1012                  | 541                      | 500                                | 477                      | 392             | 276               | 279         | 61           |                 | m   | 9/52           | L1   | DLM    |
| 1715         |        | 487         | 488                         | 899                         | 1009                  | 544                      | 485                                | 457                      | 394             | 255               | 242         | 61           |                 | m   | 9/52           | L1   | NMF    |
| 1720         | 239    | 410         | 492                         | 912                         | 1012                  | 533                      | 509                                | 499                      | 414             | 287               | 267         | 55           |                 | m   | 9/51           | L1   | III    |
| 1721         | 230    | 491         | 494                         | 905                         | 1021                  | 562                      | 496                                | 471                      | 412             | 287               | 292         | 56           |                 | f   | 9/51           | L1   | TC     |
| 1726         | 248    | 497         | 521                         | 914                         | 1013                  | 541                      | 501                                | 506                      |                 | 269               | 262         | 69           |                 | m   | 8/52           | L1   | WFR    |
| 1727         | 242    | 500         | 510                         | 918                         | 1020                  | 546                      | 483                                |                          |                 | 268               |             | 67           |                 |     | 8/52           | L1   | WFR    |
| 1732         | 251    | 509         | 505                         | 921                         | 1048                  | 574                      | 509                                | 491                      | 392             | 274               | 269         | 55           |                 | m   | 9/51           | L1   | III    |
| 1735         |        | 479         | 502                         | 918                         | 1019                  | 540                      | 510                                | 492                      | 400             | 263               | 245         |              |                 | m   | 11/50          | L1   | DBB    |
| 1743         | 251    | 500         | 503                         | 926                         | 1040                  | 571                      | 510                                | 503                      | 379             | 254               | 253         | 66           |                 | m   | 9/51           | L1   | TC     |
| 1746         | 245    | 504         | 499                         | 911                         | 1025                  | 570                      | 573                                | 476                      | 411             | 282               | 290         | 57           | 9/19            | m   | 9/51           | L1   | III    |
| 1753         | 263    | 514         | 504                         | 923                         | 1043                  | 592                      | 509                                | 521                      | 396             | 283               | 267         | 60           |                 | m   | 9/51           | L1   | III    |
| 1755         | 267    | 496         | 511                         | 965                         |                       |                          | 526                                | 518                      | 414             | 259               | 282         | 58           |                 | f   | 10/52          |      | TC     |
| 1757         | 236    | 520         | 511                         | 913                         | 1039                  | 601                      | 472                                |                          | 407             | 274               | 265         | 57           |                 | f   | 9/51           | L1   | III    |
| 1761         |        | 501         | 511                         | 930                         | 1036                  | 546                      | 521                                | 491                      | 404             | 280               | 278         | 59           | 8/18            | f   | 9/52           | L1   | DLM    |

Table 23. Bigeye from the Central Equatorial Pacific:  
Eastern Line Islands (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventrals to<br>Ant. Eye Vert. | Vertical Body<br>Depth | Length Pectoral | Height and Dorsal | Height Anal | Diameter Tail | No. Gill Rakers | Sex | Month and Year | Gear | Remarks |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|------------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|---------|
| 1767         | 261    | 515         | 523                         | 951                         | 1073                  | 584                      | 521                                | 498                    | 400             | 311               | 309         | 60            | 10/18           | m   | 9/51           | L1   | III     |
| 1768         |        | 501         | 512                         | 948                         | 1049                  | 547                      | 528                                | 500                    | 392             | 274               | 271         | 56            |                 | m   | 9/52           | L1   | DLM     |
| 1773         | 257    | 509         | 528                         | 938                         | 1054                  | 576                      | 510                                | 507                    | 390             | 281               | 281         | 54            |                 | m   | 9/51           | L1   | TC      |
| 1788         | 264    | 507         | 512                         | 932                         | 1056                  | 569                      | 520                                | 509                    | 403             | 206               | 295         | 57            |                 | m   | 9/51           | L1   | TC      |
| 1796         |        | 502         | 530                         | 972                         | 1060                  | 554                      | 533                                | 520                    |                 | 266               | 264         | 67            |                 | m   | 8/52           | L1   | WFR     |
| 1826         |        | 526         | 535                         | 972                         | 1082                  | 584                      | 532                                | 535                    | 439             | 319               | 321         | 63            | 8/18            | m   | 9/52           | L1   | DLM     |
| 1827         | 275    | 517         | 547                         | 975                         | 1064                  | 560                      | 523                                | 510                    |                 | 274               | 303         | 68            |                 | m   | 8/52           | L1   | WFR     |
| 1838         | 255    | 506         | 523                         | 959                         | 1065                  | 559                      | 537                                | 490                    | 405             | 297               | 289         | 58            | 8/18            | m   | 10/52          | L1   | III     |
| 1841         |        | 510         | 528                         | 970                         | 1081                  | 565                      | 535                                | 528                    | 387             | 219               | 258         | 62            |                 | m   | 8/52           | L1   | RS      |
| 1851         | 260    | 512         | 520                         | 950                         | 1058                  | 560                      | 535                                | 505                    | 410             | 270               | 269         | 58            | 9/18            | m   | 10/52          | L1   | III     |
| 1851         | 288    | 533         | 549                         | 990                         | 1110                  | 614                      | 521                                | 508                    | 421             | 289               | 289         | 56            |                 | m   | 9/51           | L1   | III     |
| 1909         | 298    | 527         | 529                         | 968                         | 1102                  | 621                      | 540                                | 536                    | 403             | 286               | 276         | 61            | 8/18            | m   | 10/52          |      | III     |

Table 24. Bigeye from the Central Equatorial Pacific:  
Western Line Islands

|      |    |     |     |     |      |     |     |     |     |     |     |    |      |   |       |    |     |
|------|----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|----|------|---|-------|----|-----|
| 858  | 83 | 269 | 280 | 494 | 539  | 302 | 257 | 276 | 329 | 119 | 134 | 46 | 9/18 | f | 11/50 | L1 | DHB |
| 1158 |    | 351 | 354 | 634 | 698  | 391 | 330 | 339 | 395 | 205 | 208 |    |      | m | 2/53  | L1 | SM  |
| 1368 |    | 402 | 406 | 732 | 828  | 467 | 386 | 389 | 384 | 220 | 238 |    |      | m | 11/50 | L1 | FCC |
| 1368 |    | 410 | 412 | 743 | 830  | 463 | 393 | 395 | 351 | 203 | 210 |    |      | m | 11/50 | L1 | FCC |
| 1372 |    | 409 | 408 | 746 | 846  | 473 | 405 | 389 | 357 | 242 | 202 |    |      | f | 11/50 | L1 | DHB |
| 1471 |    | 432 | 427 | 780 | 880  | 498 | 412 | 410 | 376 | 255 | 243 |    |      | m | 11/50 | L1 | FCC |
| 1488 |    | 441 | 443 | 808 | 897  | 496 | 435 | 422 | 379 | 211 | 220 |    |      | f | 11/50 | L1 | FCC |
| 1524 |    | 431 | 431 | 816 | 904  | 502 | 436 | 420 | 374 | 253 | 225 |    |      | m | 11/50 | L1 | FCC |
| 1922 |    | 524 | 524 | 962 | 1095 | 599 | 540 | 542 | 428 | 302 | 290 |    | 8/18 | m | 11/50 | L1 | FCC |

Table 25. Bigeye from the Central Equatorial Pacific:  
Phoenix Islands

|      |     |     |     |     |      |     |     |     |     |     |     |    |      |   |       |    |    |
|------|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|----|------|---|-------|----|----|
| 1452 | 141 | 422 | 440 | 791 | 876  | 470 | 421 | 406 | 347 | 223 | 218 | 52 |      | f | 3/52  | L1 | TO |
| 1492 | 160 | 423 | 441 | 794 | 877  | 462 | 439 | 413 | 359 | 248 | 235 | 54 | 8/18 | f | 11/52 |    | TO |
| 1723 | 245 | 472 | 485 | 906 | 1013 | 522 | 518 | 487 | 393 | 258 | 265 | 53 | 8/18 | m | 11/52 |    | TO |



Table 26. Bigeye from the Western Equatorial Pacific:  
Eastern Marshalls

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | L. Ventral to<br>Ant. Edge Vent | Greatest Body<br>Depth | Length Pectoral | Height 1st Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | S | Tag  | Sex | Collector |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|---------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|---|------|-----|-----------|
| 1352         |        | 400         | 412                         | 740                         | 324                   | 448                      | 390                             | 337                    | 367             | 224               | 231         | 54            | 9/19            | m | 2/52 | L1  | RS        |
| 1431         | 137    | 422         | 433                         | 782                         | 872                   | 466                      | 421                             | 405                    | 372             | 244               | 255         | 52            | 9/17            | m | 2/52 | L1  | TO        |
| 1492         | 173    | 429         | 452                         | 803                         | 837                   | 481                      | 433                             | 400                    | 379             | 251               | 246         | 58            | 8/17            | m | 2/52 |     | GIM       |
| 1510         | 165    | 427         | 447                         | 813                         | 889                   | 469                      | 433                             | 428                    | 361             | 241               | 244         | 58            | 10/19           | m | 2/52 |     | GIM       |

Table 27. Bigeye from the Western Equatorial Pacific:  
Western Marshalls

|     |     |     |     |     |     |     |     |     |     |    |    |    |       |   |       |    |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|-------|---|-------|----|-----|
| 379 | 2.4 | 112 | 123 | 216 | 241 | 128 | 117 | 108 | 117 | 37 | 31 | 21 | 9/18  |   | 8/51  | P1 | WVC |
| 396 | 2.8 | 122 | 134 | 228 | 255 | 136 | 126 | 112 | 131 | 43 | 37 | 24 | 8/19  |   | 9/51  | P1 | WVC |
| 410 | 3.0 | 122 | 136 | 233 | 257 | 139 | 124 | 115 | 137 | 43 | 41 | 25 | 8/18  |   | 9/51  | P1 | WVC |
| 421 | 2.9 | 128 | 139 | 241 | 270 | 144 | 129 | 115 | 131 | 45 | 40 | 25 | 8/18  |   | 8/51  | L1 | WVC |
| 423 | 3.2 | 127 | 139 | 241 | 274 | 145 | 125 | 118 | 129 | 43 | 41 | 25 | 9/17  |   | 10/51 | L1 | WVC |
| 439 | 3.9 | 133 | 150 | 251 | 271 | 149 | 126 | 124 | 151 | 49 | 41 | 26 | 8/17  |   | 7/51  | L1 | WVC |
| 445 | 4.2 | 137 | 150 | 253 | 277 | 153 | 133 | 129 | 146 | 49 | 42 | 27 | 8/18  |   | 7/51  | L1 | WVC |
| 454 | 3.3 | 137 | 154 | 260 | 288 | 157 | 137 | 125 | 156 | 48 | 46 | 26 |       |   | 7/51  | L1 | WVC |
| 455 | 4.9 | 139 | 151 | 257 | 285 | 157 | 135 | 124 | 150 | 47 | 45 | 26 | 8/18  |   | 7/51  | L1 | WVC |
| 456 | 3.9 | 139 | 153 | 262 | 294 | 157 | 144 | 135 | 158 | 52 | 45 | 26 | 8/20  |   | 8/51  | L1 | WVC |
| 459 | 4.4 | 140 | 152 | 267 | 290 | 157 | 139 | 133 | 162 | 50 | 47 | 26 | 9/18  |   | 10/51 | L1 | WVC |
| 470 | 4.8 | 145 | 155 | 268 | 296 | 165 | 138 | 137 | 164 | 51 | 45 | 28 | 9/18  |   | 8/51  | L1 | WVC |
| 486 | 5.3 | 148 | 165 | 282 | 302 | 166 | 144 | 143 | 165 | 56 | 51 | 28 | 9/18  |   | 7/51  | L1 | WVC |
| 487 | 5.3 | 151 | 164 | 279 | 309 | 161 | 150 | 142 | 171 | 52 | 48 | 28 | 9/18  |   | 8/51  | L1 | WVC |
| 512 | 5.4 | 158 | 170 | 296 | 323 | 177 | 152 | 143 | 184 | 58 | 54 | 29 | 8/18  |   | 7/51  | L1 | WVC |
| 536 | 6.6 | 169 | 188 | 310 | 338 | 187 | 155 | 153 | 196 | 69 | 61 | 30 | 8/19  |   | 7/51  | L1 | WVC |
| 538 | 7.4 | 171 | 170 | 302 | 341 | 192 | 155 | 156 | 221 | 67 | 62 | 32 | 8/17  |   | 7/51  | L1 | WVC |
| 545 | 7.4 | 166 | 184 | 315 | 351 | 188 | 170 | 159 | 191 | 61 | 51 | 30 | 9/18  |   | 7/51  | L1 | WVC |
| 553 |     | 164 | 185 | 318 | 352 | 196 | 165 | 161 | 199 | 68 | 62 | 33 | 9/19  | f | 7/51  | L1 | WVC |
| 561 | 8.6 | 176 | 186 | 322 | 357 | 196 | 164 | 160 | 219 | 67 | 61 | 32 | 10/19 |   | 7/51  | L1 | WVC |
| 561 | 7.4 | 180 | 191 | 327 | 364 | 200 | 171 | 170 | 183 | 68 | 62 | 32 | 9/18  |   | 7/51  | L1 | WVC |
| 563 |     | 175 | 190 | 323 | 362 | 196 | 169 | 155 | 212 | 72 | 68 | 32 | 8/18  | f | 5/51  | L1 | TO  |
| 568 | 8.1 | 175 | 190 | 326 | 358 | 193 | 173 | 160 | 201 | 69 | 61 | 33 | 9/18  |   | 7/51  | L1 | WVC |
| 569 | 9   | 175 | 191 | 327 | 361 | 199 | 169 | 166 | 221 | 69 | 66 | 33 | 8/18  |   | 7/51  | L1 | WVC |
| 588 | 9.8 | 188 | 201 | 342 | 379 | 213 | 174 | 171 | 234 | 79 | 70 | 35 | 9/18  |   | 7/51  | L1 | WVC |

Table 27. Bigeye from the Western Equatorial Pacific:  
Western Marshalls (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventrals to<br>Ant. Edge Vent | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Irl | No. Gill Raker | Sex | Month and Year | Genus | Specimen |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|------------------------------------|------------------------|-----------------|-------------------|-------------|--------------|----------------|-----|----------------|-------|----------|
| 589          | 10 1/2 | 188         | 200                         | 337                         | 377                   | 207                      | 181                                | 175                    | 230             | 75                | 68          | 34           | 8/18           |     | 7/51           | L1    | WVC      |
| 600          |        | 188         | 201                         | 342                         | 381                   | 212                      | 182                                | 175                    | 236             | 78                | 70          | 35           | 8/18           | f   | 7/51           | L1    | WVC      |
| 625          |        | 197         | 209                         | 361                         | 398                   | 221                      | 185                                | 179                    | 236             | 79                | 74          | 34           | 8/18           | f   | 5/51           | L1    | TO       |
| 660          |        | 207         | 225                         | 385                         | 419                   | 228                      | 190                                | 178                    | 262             | 87                | 84          | 35           |                | m   | 5/51           | L1    | TO       |
| 662          |        | 206         | 217                         | 382                         | 428                   | 230                      | 206                                | 185                    | 260             | 88                | 83          | 35           | 8/18           | f   | 5/51           | L1    | TO       |
| 664          | 14     | 208         | 221                         | 379                         | 421                   | 235                      | 196                                | 188                    | 252             | 86                | 79          | 35           | 9/18           | f   | 7/51           | L1    | WVC      |
| 695          | 16 1/2 | 217         | 235                         | 402                         | 436                   | 240                      | 202                                | 198                    | 275             | 92                | 85          | 37           | 9/19           |     | 7/51           | L1    | WVC      |
| 710          |        | 222         | 231                         | 407                         | 443                   | 243                      | 208                                | 206                    | 275             | 93                | 88          | 37           |                |     | 2/51           |       | KE       |
| 722          |        | 224         | 237                         | 416                         | 459                   | 250                      | 216                                | 207                    | 295             | 99                | 90          | 37           |                | f   | 5/51           | L1    | TO       |
| 733          |        | 227         | 240                         | 419                         | 460                   | 249                      | 218                                | 215                    | 301             | 102               | 99          | 36           | 8/18           | m   | 5/51           | L1    | TO       |
| 761          |        | 230         | 242                         | 434                         | 480                   | 252                      | 232                                | 210                    | 325             | 104               | 99          | 38           |                | m   | 5/51           | L1    | TO       |
| 784          |        | 240         | 249                         | 442                         | 482                   | 271                      | 216                                | 216                    | 215             | 100               | 97          | 39           |                |     | 2/51           |       | KE       |
| 805          |        | 245         | 261                         | 458                         | 508                   | 272                      | 247                                | 234                    | 336             | 111               | 101         | 40           |                |     | 2/51           |       | KE       |
| 807          |        | 248         | 259                         | 451                         | 496                   | 273                      | 239                                | 231                    | 340             | 112               | 105         | 41           |                |     | 2/51           |       | KE       |
| 809          |        | 250         | 268                         | 477                         | 499                   | 270                      | 235                                | 239                    | 358             | 116               | 116         | 43           |                |     | 2/51           |       | KE       |
| 835          |        | 254         | 265                         | 471                         | 524                   | 281                      | 250                                | 242                    | 375             | 127               | 117         | 39           |                | f   | 5/51           | L1    | TO       |
| 845          |        | 259         | 245                         | 476                         | 522                   | 288                      | 250                                | 237                    | 358             | 124               | 111         | 41           |                |     | 2/51           |       | KE       |
| 880          |        | 263         | 280                         | 500                         | 557                   | 300                      | 256                                | 239                    | 373             | 119               | 120         | 42           |                | f   | 5/51           | L1    | TO       |
| 900          |        | 275         | 284                         | 507                         | 574                   | 306                      | 271                                | 251                    | 345             | 128               | 127         | 44           |                |     | 2/51           |       | KE       |
| 904          |        | 267         | 286                         | 503                         | 555                   | 305                      | 250                                | 259                    | 363             | 129               | 127         | 41           |                |     | 2/51           |       | KE       |
| 913          |        | 270         | 289                         | 510                         | 558                   | 290                      | 373                                | 255                    | 385             | 133               | 134         | 40           |                |     | 2/51           |       | KE       |
| 921          |        | 275         | 290                         | 513                         | 568                   | 304                      | 270                                | 257                    | 345             | 145               | 140         | 42           |                |     | 2/51           |       | KE       |
| 943          |        | 286         | 296                         | 529                         | 584                   | 342                      | 261                                | 262                    | 352             | 138               | 135         | 45           |                |     | 2/51           |       | KE       |
| 949          |        | 286         | 303                         | 537                         | 595                   |                          | 271                                | 270                    | 366             | 143               | 141         | 43           |                |     | 2/51           |       | KE       |
| 958          |        | 280         | 288                         | 526                         | 595                   | 341                      | 265                                | 265                    | 376             | 141               | 141         | 44           |                |     | 2/51           |       | KE       |
| 970          |        | 289         | 302                         | 536                         | 600                   | 321                      | 287                                | 265                    | 422             | 151               | 141         | 43           |                |     | 2/51           |       | KE       |
| 973          |        | 286         | 301                         | 542                         | 603                   | 319                      | 294                                | 267                    | 446             | 153               | 151         | 45           |                |     | 2/51           |       | KE       |
| 980          |        | 290         | 309                         | 545                         | 600                   | 335                      | 267                                | 273                    | 402             | 153               | 152         | 44           |                |     | 2/51           |       | KE       |
| 981          |        | 292         | 309                         | 539                         | 606                   | 323                      | 285                                | 274                    | 343             | 155               | 145         | 44           |                |     | 2/51           |       | KE       |
| 991          |        | 305         | 322                         | 565                         | 619                   | 338                      | 287                                | 287                    | 405             | 154               | 142         | 44           |                |     | 2/51           |       | KE       |

Table 27. Bigeye from the Western Equatorial Pacific:  
Western Marshalls (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventrals to<br>Anal Elize Vent | Circumf Body | Depth | Height Head Dorsal | Height Anal | Diameter Iris | No. Gill Raker | Sex | Month and Year | Gen | Specimen |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|-------------------------------------|--------------|-------|--------------------|-------------|---------------|----------------|-----|----------------|-----|----------|
| 993          |        | 298         | 315                         | 564                         | 324                   | 330                      | 300                                 | 282          | 379   | 164                | 157         | 45            |                |     | 2/51           |     | KE       |
| 1033         |        | 309         | 320                         | 569                         | 635                   | 355                      | 299                                 | 286          | 350   | 148                | 152         | 47            |                |     | 2/51           |     | KE       |
| 1043         |        | 309         | 320                         | 577                         | 651                   | 345                      | 306                                 | 261          | 407   | 153                | 160         | 46            |                |     | 2/51           |     | KE       |
| 1090         |        | 316         | 337                         | 603                         | 669                   | 359                      | 311                                 | 307          | 394   | 160                | 177         | 45            |                | m   | 5/51           | L1  | TC       |
| 1117         |        | 331         | 350                         | 622                         | 689                   | 374                      | 324                                 | 311          | 345   | 181                | 175         | 48            |                |     | 2/51           |     | KE       |
| 1135         |        | 335         | 350                         | 632                         | 705                   | 376                      | 339                                 | 340          | 339   | 174                | 182         | 47            |                |     | 2/51           |     | KE       |
| 1165         |        | 340         | 345                         | 623                         | 719                   | 384                      | 351                                 | 332          | 335   | 193                | 185         | 50            |                |     | 2/51           |     | KE       |
| 1191         |        | 355         | 360                         | 634                         | 737                   | 403                      | 366                                 | 338          | 333   | 167                | 167         | 54            |                |     | 2/51           |     | KE       |
| 1214         |        | 348         | 367                         | 665                         | 741                   | 386                      | 365                                 | 348          | 357   | 207                | 196         | 48            |                |     | 2/51           |     | KE       |
| 1215         |        | 358         | 378                         | 660                         | 730                   | 398                      | 345                                 | 409          | 348   | 200                | 199         | 50            |                |     | 2/51           |     | KE       |
| 1224         |        | 350         | 373                         | 669                         | 743                   | 393                      | 358                                 | 354          | 344   | 191                | 193         | 48            |                |     | 2/51           |     | KE       |
| 1231         |        | 366         | 375                         | 673                         | 748                   | 412                      | 346                                 | 339          | 348   | 190                | 199         | 52            |                |     | 2/51           |     | KE       |
| 1235         |        | 362         | 376                         | 666                         | 750                   | 418                      | 340                                 | 347          | 354   | 195                | 204         | 51            |                |     | 2/51           |     | KE       |
| 1242         |        | 365         | 383                         | 679                         | 752                   | 410                      | 352                                 | 349          | 385   | 212                | 204         | 51            |                |     | 2/51           |     | KE       |
| 1251         |        | 358         | 379                         | 685                         | 750                   | 398                      | 360                                 | 370          | 341   | 194                | 183         | 49            |                |     | 2/51           |     | KE       |
| 1259         |        | 356         | 376                         | 680                         | 759                   | 393                      | 373                                 | 349          | 360   | 210                | 194         | 53            |                |     | 2/51           |     | KE       |
| 1260         |        | 359         | 388                         | 684                         | 768                   | 401                      | 377                                 | 344          | 364   | 210                | 192         | 47            |                |     | 2/51           |     | KE       |
| 1276         |        | 367         | 377                         | 687                         | 772                   | 412                      | 373                                 | 351          | 346   | 195                | 203         | 50            |                |     | 2/51           |     | KE       |
| 1277         |        | 368         | 386                         | 695                         | 780                   | 405                      | 380                                 | 348          | 340   | 200                | 205         | 49            |                |     | 2/51           |     | KE       |
| 1284         |        | 372         | 397                         | 685                         | 760                   | 406                      | 364                                 | 364          | 331   | 209                | 192         | 51            |                |     | 2/51           |     | KE       |
| 1299         |        | 363         | 389                         | 702                         | 792                   | 428                      | 394                                 | 386          | 339   | 197                | 217         | 50            |                |     | 2/51           |     | KE       |
| 1313         |        | 384         | 409                         | 714                         | 796                   | 425                      | 381                                 | 386          | 359   | 208                | 197         | 54            |                |     | 2/51           |     | KE       |
| 1321         |        | 377         | 443                         | 723                         | 799                   | 418                      | 383                                 | 373          | 335   | 218                | 213         | 52            |                |     | 2/51           |     | KE       |
| 1325         |        | 390         | 405                         | 727                         | 816                   | 442                      | 385                                 | 384          | 345   | 218                | 212         | 58            |                |     | 2/51           |     | KE       |
| 1333         |        | 375         | 393                         | 707                         | 799                   | 420                      | 396                                 | 379          | 256   | 215                | 218         | 48            |                |     | 2/51           |     | KE       |
| 1341         |        | 391         | 403                         | 720                         | 821                   | 438                      | 399                                 | 372          | 332   | 217                | 192         | 55            |                |     | 2/51           |     | KE       |
| 1344         |        | 391         | 411                         | 737                         | 789                   | 428                      | 391                                 | 390          | 377   | 244                | 245         | 53            |                |     | 2/51           |     | KE       |
| 1364         |        | 384         | 415                         | 734                         | 826                   | 438                      | 403                                 | 414          | 360   | 214                | 231         | 54            |                |     | 2/51           |     | KE       |
| 1365         |        | 398         | 404                         | 736                         | 817                   | 438                      | 407                                 | 374          | 349   | 212                | 221         | 53            |                |     | 2/51           |     | KE       |
| 1366         |        | 402         | 413                         | 746                         | 829                   | 440                      | 406                                 | 396          | 367   | 225                | 239         | 56            |                |     | 2/51           |     | KE       |

Table 27. Bigeye from the Western Equatorial Pacific:  
Western Marshalls (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Edge Vent. | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Color | Remarks |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|------------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|-------|---------|
| 1369         |        | 384         | 403                         | 734                         | 811                   | 430                      | 396                                | 383                    | 371             | 217               | 215         | 55            |                 |     | 2/51           |       | KE      |
| 1374         |        | 400         | 414                         | 753                         | 825                   | 445                      | 391                                | 401                    | 343             | 215               | 224         | 56            |                 |     | 2/51           |       | KE      |
| 1375         |        | 385         | 396                         | 730                         | 818                   | 431                      | 405                                | 393                    | 367             | 243               | 221         | 53            |                 |     | 2/51           |       | KE      |
| 1379         |        | 399         | 412                         | 741                         | 840                   | 470                      | 423                                | 391                    | 360             | 230               | 243         | 55            |                 |     | 2/51           |       | KE      |
| 1389         |        | 391         | 420                         | 760                         | 839                   | 443                      | 415                                | 401                    | 346             | 222               | 212         | 58            |                 |     | 2/51           |       | KE      |
| 1390         |        | 393         | 417                         | 746                         | 830                   | 442                      | 398                                | 399                    | 371             | 210               | 218         | 56            |                 |     | 2/51           |       | KE      |
| 1409         |        | 404         | 424                         | 771                         | 858                   | 455                      | 422                                | 389                    | 377             | 212               | 220         | 55            |                 |     | 2/51           |       | KE      |
| 1410         |        | 406         | 425                         | 757                         | 851                   | 476                      | 387                                | 413                    | 365             | 234               | 232         | 53            |                 |     | 2/51           |       | KE      |
| 1429         |        | 407         | 420                         | 755                         | 862                   | 449                      | 429                                | 415                    | 373             | 252               | 242         | 54            |                 |     | 2/51           |       | KE      |
| 1430         |        | 413         | 439                         | 770                         | 866                   | 459                      | 429                                | 417                    | 361             | 244               | 252         | 58            |                 |     | 2/51           |       | KE      |
| 1431         |        | 417         | 430                         | 792                         | 907                   | 483                      | 443                                | 391                    | 353             | 225               | 224         | 55            |                 |     | 2/51           |       | KE      |
| 1442         |        | 420         | 434                         | 780                         | 870                   | 487                      | 410                                | 426                    | 375             | 226               | 217         | 60            |                 |     | 2/51           |       | KE      |
| 1447         |        | 419         | 440                         | 776                         | 864                   | 465                      | 417                                | 400                    | 358             | 242               | 229         | 57            |                 |     | 2/51           |       | KE      |
| 1450         |        | 414         | 441                         | 777                         | 858                   | 459                      | 415                                | 427                    | 375             | 252               | 246         | 56            |                 |     | 2/51           |       | KE      |
| 1452         |        | 418         | 427                         | 773                         | 878                   | 453                      | 435                                | 417                    | 355             | 220               | 219         | 54            |                 |     | 2/51           |       | KE      |
| 1454         |        | 407         | 435                         | 788                         | 880                   | 459                      | 447                                | 427                    | 372             | 233               | 229         | 52            |                 |     | 2/51           |       | KE      |
| 1456         |        | 413         | 450                         | 784                         | 878                   | 462                      | 428                                | 431                    | 383             | 223               | 241         | 55            |                 |     | 2/51           |       | KE      |
| 1459         |        | 424         | 445                         | 780                         | 883                   | 492                      | 419                                | 425                    | 372             | 214               | 227         | 57            |                 |     | 2/51           |       | KE      |
| 1465         |        | 421         | 427                         | 785                         | 885                   | 473                      | 430                                | 412                    | 355             | 250               | 228         | 55            |                 |     | 2/51           |       | KE      |
| 1468         |        | 405         | 430                         | 770                         | 871                   | 455                      | 430                                | 410                    | 361             | 251               | 242         | 56            |                 |     | 2/51           |       | KE      |
| 1475         | 140    | 414         | 432                         | 778                         | 868                   | 454                      | 435                                | 407                    | 372             | 247               | 243         | 55            | 8/18            | m   | 5/51           | L1    | TO      |
| 1479         |        | 424         | 455                         | 811                         | 912                   | 470                      | 455                                | 400                    | 370             | 248               | 237         | 56            |                 |     | 2/51           |       | KE      |
| 1488         |        | 433         | 462                         | 800                         | 887                   | 472                      | 430                                | 431                    | 361             | 233               | 226         | 60            |                 |     | 2/51           |       | KE      |
| 1489         |        | 427         | 433                         | 801                         | 894                   | 482                      | 429                                | 424                    | 380             | 226               | 256         | 55            |                 |     | 2/51           |       | KE      |
| 1493         |        | 428         | 467                         | 813                         | 898                   | 472                      | 449                                | 427                    | 398             | 253               | 247         | 56            |                 |     | 2/51           |       | KE      |
| 1502         |        | 423         | 441                         | 800                         | 897                   | 472                      | 452                                | 411                    | 365             | 231               | 261         | 53            |                 |     | 2/51           |       | KE      |
| 1503         |        | 420         | 442                         | 805                         | 891                   | 468                      | 435                                | 414                    | 349             | 252               | 238         | 59            |                 |     | 2/51           |       | KE      |
| 1504         |        | 431         | 452                         | 807                         | 896                   | 484                      | 424                                | 427                    | 359             | 225               | 228         | 56            |                 |     | 2/51           |       | KE      |
| 1514         |        | 423         | 444                         | 801                         | 879                   | 474                      | 430                                | 431                    | 370             | 241               | 242         | 59            |                 |     | 2/51           |       | KE      |
| 1522         |        | 435         | 453                         | 803                         | 904                   | 496                      | 435                                | 431                    | 383             | 254               | 248         | 60            |                 |     | 2/51           |       | KE      |

Table 27. Bigeye from the Western Equatorial Pacific:  
Western Marshalls (Continued)

| Total Length | Weight            | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Edge Vent. | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Loc | Event |
|--------------|-------------------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|------------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|-----|-------|
| 1542         |                   | 427         | 447                         | 801                         | 917                   | 493                      | 447                                | 429                    | 368             | 245               | 243         | 55            |                 |     | 2/51           |     | KE    |
| 1549         |                   | 438         | 438                         | 802                         | 909                   | 481                      | 452                                | 421                    | 366             | 226               | 229         | 56            |                 |     | 2/51           |     | KE    |
| 1558         |                   | 423         | 472                         | 827                         | 915                   | 480                      | 453                                | 425                    | 396             | 239               | 258         | 53            |                 |     | 2/51           |     | KE    |
| 1559         |                   | 434         | 460                         | 831                         | 923                   | 494                      | 445                                | 438                    | 388             | 250               | 266         | 53            |                 |     | 2/51           |     | KE    |
| 1566         |                   | 446         | 459                         | 839                         | 916                   | 477                      | 444                                | 441                    | 390             | 235               | 246         | 53            |                 |     | 2/51           |     | KE    |
| 1569         |                   | 431         | 448                         | 814                         | 932                   | 492                      | 458                                | 438                    | 368             | 246               | 256         | 57            |                 |     | 2/51           |     | KE    |
| 1576         |                   | 429         | 459                         | 857                         | 949                   | 487                      | 480                                | 431                    | 355             | 249               | 239         | 53            |                 |     | 2/51           |     | KE    |
| 1580         | 184               | 452         | 467                         | 847                         | 950                   | 490                      | 470                                | 433                    | 394             | 269               | 262         | 60            | 8/18            | m   | 5/51           | L1  | TO    |
| 1602         |                   | 447         | 475                         | 861                         | 951                   | 509                      | 465                                | 450                    | 383             | 263               | 257         | 52            |                 |     | 2/51           |     | KE    |
| 1610         | 196 $\frac{3}{4}$ | 451         | 486                         | 860                         | 945                   | 496                      | 473                                | 483                    | 395             | 250               | 270         | 60            | 8/17            | m   | 7/51           | L1  | WVC   |
| 1612         |                   | 443         | 468                         | 844                         | 954                   | 526                      | 450                                | 447                    | 386             | 238               | 261         | 58            |                 |     | 2/51           |     | KE    |
| 1617         | 190               | 448         | 473                         | 851                         | 953                   | 489                      | 498                                | 462                    | 382             | 266               | 267         | 55            | 8/18            | m   | 5/51           | L1  | TO    |
| 1620         |                   | 461         | 473                         | 866                         | 971                   | 529                      | 457                                | 481                    | 369             | 251               | 239         | 55            |                 |     | 2/51           |     | KE    |
| 1629         | 201               | 460         | 493                         | 878                         | 964                   | 495                      | 491                                | 475                    | 397             | 242               | 235         | 58            | 7/18            | m   | 7/51           | L1  | WVC   |
| 1638         | 201               | 450         | 503                         | 890                         | 986                   | 492                      | 503                                | 439                    | 371             | 259               | 233         | 56            | 10/20           | m   | 7/51           | L1  | WVC   |
| 1642         | 222 $\frac{1}{4}$ | 451         | 495                         | 871                         | 953                   | 485                      | 495                                | 500                    | 378             | 257               | 262         | 60            | 8/17            | m   | 7/51           | L1  | WVC   |
| 1655         | 202               | 458         | 470                         | 875                         | 955                   | 503                      | 463                                | 459                    | 388             | 279               | 248         | 57            | 8/18            | m   | 5/51           | L1  | TO    |
| 1663         | 211               | 460         | 483                         | 892                         | 990                   | 517                      | 498                                | 479                    | 388             | 277               | 255         | 56            |                 | m   | 5/51           | L1  | TO    |
| 1685         |                   | 481         | 500                         | 897                         | 985                   | 523                      | 482                                | 477                    | 379             | 271               | 253         | 61            |                 |     | 5/51           | L1  | TO    |
| 1711         | 248               | 480         | 512                         | 915                         | 1018                  | 528                      | 509                                | 506                    | 381             | 235               | 249         | 58            | 8/17            | f   | 8/51           | L1  | WVC   |
| 1721         | 228 $\frac{1}{2}$ | 487         | 521                         | 920                         | 1002                  | 543                      | 484                                | 486                    | 390             | 261               | 250         | 63            | 8/18            | m   | 7/51           | L1  | WVC   |
| 1722         | 237 $\frac{3}{4}$ | 469         | 506                         | 913                         | 1015                  | 532                      | 501                                | 490                    | 399             | 254               | 256         | 55            | 8/19            | f   | 10/51          | L1  | WVC   |
| 1737         |                   | 482         | 511                         | 923                         | 1026                  | 536                      | 516                                | 492                    | 408             | 271               | 254         | 60            |                 | m   | 5/51           | L1  | TO    |
| 1740         | 250 $\frac{1}{2}$ | 465         | 412                         | 927                         | 1028                  | 515                      | 536                                | 503                    | 394             | 273               | 269         | 55            | 8/18            | m   | 7/51           | L1  | WVC   |
| 1757         | 270 $\frac{1}{2}$ | 501         | 514                         | 938                         | 1049                  | 560                      | 521                                | 513                    | 385             | 272               | 254         | 63            | 8/15            | m   | 9/51           | L1  | WVC   |
| 1767         | 254 $\frac{1}{4}$ | 476         | 513                         | 918                         | 1022                  | 525                      | 531                                | 521                    | 398             | 300               | 266         | 58            | 8/17            | m   | 7/51           | L1  | WVC   |
| 1780         | 283               | 486         | 551                         | 960                         | 1058                  | 541                      | 556                                | 538                    | 375             | 261               | 280         | 63            | 9/18            | m   | 10/51          | L1  | WVC   |
| 1795         | 258 $\frac{1}{4}$ | 488         | 529                         | 946                         | 1058                  | 552                      | 531                                | 498                    | 389             | 250               | 245         | 58            | 9/18            | m   | 10/51          | L1  | WVC   |
| 1804         | 293 $\frac{1}{2}$ | 499         | 544                         | 951                         | 1060                  | 540                      | 542                                | 491                    | 409             | 267               | 263         | 58            | 9/19            | m   | 10/51          | L1  | WVC   |
| 1804         | 254               | 488         | 529                         | 957                         | 1062                  | 562                      | 525                                | 524                    | 391             | 247               | 251         | 59            | 9/18            | m   | 10/51          | L1  | WVC   |

Table 28. Bigeye from the Western Equatorial Pacific:  
Eastern Carolines

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Eligo Vent | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examined |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|------------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 492          | 7      | 158         | 168                         | 291                         | 314                   | 165                      | 147                                | 137                    | 186             | 56                | 55          | 27            | 8/19            | f   | 4/51           | L1   | TO       |
| 501          |        | 156         | 169                         | 294                         | 320                   | 164                      | 153                                | 140                    | 173             | 58                | 50          | 29            |                 |     | 4/51           | L1   | TO       |
| 513          |        | 158         | 173                         | 296                         | 331                   | 169                      | 158                                | 149                    | 209             | 61                | 58          | 30            |                 |     | 5/51           | L1   | TO       |
| 515          |        | 163         | 168                         | 294                         | 328                   | 183                      | 150                                | 146                    | 194             | 61                | 58          | 30            |                 |     | 8/50           | L1   | BMS      |
| 521          |        | 163         | 172                         | 298                         | 333                   | 184                      | 153                                | 144                    | 194             | 65                | 61          | 31            |                 |     | 7/50           | L1   | BMS      |
| 535          | 8.2    | 164         | 173                         | 304                         | 344                   | 188                      | 168                                | 150                    | 199             | 68                | 62          | 31            | 8/18            | f   | 7/50           | L1   | BMS      |
| 537          |        | 172         | 182                         | 308                         | 346                   | 192                      | 166                                | 156                    | 221             | 63                | 62          | 33            |                 |     | 7/50           | L1   | BMS      |
| 546          |        | 172         | 181                         | 312                         | 345                   | 186                      | 157                                | 143                    | 224             | 69                | 62          | 34            |                 |     | 5/51           | L1   | TO       |
| 554          |        | 172         | 191                         | 320                         | 351                   | 188                      | 170                                | 159                    | 219             | 69                | 66          | 36            |                 |     | 6/51           | L1   | WVC      |
| 567          |        | 179         | 191                         | 323                         | 357                   | 200                      | 163                                | 163                    | 196             | 70                | 63          | 33            | 9/17            | f   | 9/51           | L1   | WVC      |
| 568          | 8.7    | 179         | 190                         | 320                         | 362                   | 196                      | 176                                | 153                    | 206             | 66                | 62          | 34            | 9/19            | f   | 6/51           | L1   | WVC      |
| 568          | 7.8    | 166         | 183                         | 314                         | 338                   | 180                      | 163                                | 146                    | 181             | 74                | 77          | 29            | 9/21            | f   | 6/51           | L1   | WVC      |
| 575          | 9      | 182         | 192                         | 334                         | 363                   | 199                      | 170                                | 157                    | 232             | 67                | 65          | 33            | 8/18            | f   | 5/51           | L1   | TO       |
| 581          |        | 180         | 193                         | 333                         | 365                   | 200                      | 176                                | 161                    | 225             | 72                | 71          | 33            | 9/18            | f   | 9/51           | L1   | WVC      |
| 593          |        | 185         | 188                         | 329                         | 379                   | 201                      | 180                                | 157                    | 230             | 76                | 72          | 35            | 10/19           | f   | 6/51           | L1   | WVC      |
| 594          |        | 186         | 186                         | 340                         | 376                   | 208                      | 170                                | 169                    | 231             | 75                | 72          | 32            | 8/18            | f   | 5/51           | L1   | TO       |
| 595          |        | 185         | 193                         | 335                         | 378                   | 211                      | 175                                | 169                    | 233             | 71                | 67          | 34            | 8/20            | f   | 8/50           | L1   | BMS      |
| 610          | 9.5    | 189         | 197                         | 346                         | 386                   | 201                      | 187                                | 172                    | 238             | 71                | 71          | 33            |                 |     | 4/51           | L1   | TO       |
| 629          |        | 197         | 211                         | 370                         | 398                   | 217                      | 183                                | 178                    | 248             | 80                | 72          | 34            |                 |     | 4/51           | L1   | TO       |
| 646          |        | 205         | 211                         | 372                         | 414                   | 230                      | 194                                | 172                    | 248             | 82                | 80          | 38            |                 |     | 8/50           | L1   | BMS      |
| 648          |        | 200         | 211                         | 379                         | 418                   | 222                      | 199                                | 171                    | 262             | 85                | 78          | 35            | 9/18            | f   | 5/51           | L1   | TO       |
| 672          | 14     | 214         | 220                         | 384                         | 429                   | 235                      | 198                                | 185                    | 257             | 91                | 86          | 38            |                 |     | 5/51           | L1   | TO       |
| 675          |        | 210         | 219                         | 382                         | 425                   | 230                      | 207                                | 195                    | 265             | 86                | 86          | 35            |                 |     | 4/51           | L1   | TO       |
| 676          |        | 208         | 218                         | 388                         | 419                   | 227                      | 199                                | 205                    | 283             | 90                | 87          | 36            |                 |     | 4/51           | L1   | TO       |
| 679          |        | 212         | 225                         | 390                         | 426                   | 226                      | 208                                | 195                    | 223             | 96                | 82          | 37            |                 |     | 6/51           | L1   | WVC      |
| 686          | 14     | 214         | 225                         | 392                         | 427                   | 238                      | 198                                | 211                    | 275             | 87                | 85          | 36            | 10/20           | m   | 4/51           | L1   | TO       |
| 695          |        | 217         | 220                         | 397                         | 429                   | 237                      | 198                                | 199                    | 295             | 91                | 84          | 36            |                 |     | 4/51           | L1   | TO       |
| 701          |        | 223         | 240                         | 406                         | 445                   | 244                      | 203                                | 211                    | 311             | 96                | 91          | 38            |                 |     | 2/51           |      | KE       |
| 705          |        | 219         | 228                         | 399                         | 448                   | 241                      | 209                                | 202                    | 295             | 101               | 93          | 38            |                 |     | 2/51           |      | KE       |
| 707          |        | 221         | 231                         | 408                         | 448                   | 241                      | 208                                | 199                    | 301             | 94                | 87          | 35            | 9/18            |     | 4/51           | L1   | TO       |

Table 28. Bigeye from the Western Equatorial Pacific:  
Eastern Carolines (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventrals | 1st Ventrals<br>Ant. Edge Ventrals | Caudal Body<br>Depth | Length of Anal | Height of 1st Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|---------------------------|------------------------------------|----------------------|----------------|----------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 730          |        | 232         | 242                         | 421                         | 460                   | 250                       | 211                                | 203                  | 295            | 95                   | 94          | 37            |                 | f   | 5/51           | L1   | TO       |
| 747          |        | 232         | 231                         | 418                         | 464                   | 257                       | 218                                | 214                  | 314            | 103                  | 98          | 38            |                 |     | 2/51           |      | KE       |
| 751          |        | 232         | 245                         | 431                         | 479                   | 267                       | 220                                |                      | 314            | 100                  | 101         | 37            |                 |     | 8/50           | L1   | BMS      |
| 751          |        | 231         | 242                         | 429                         | 472                   | 260                       | 218                                | 220                  | 314            | 107                  | 94          | 39            |                 |     | 2/51           |      | KE       |
| 754          |        | 234         | 248                         | 430                         | 180                   | 255                       | 231                                | 210                  | 312            | 97                   | 91          | 38            |                 |     | 2/51           |      | KE       |
| 757          |        | 225         | 239                         | 428                         | 468                   | 248                       | 229                                | 216                  | 318            | 97                   | 97          | 37            | 8/18            | f   | 5/51           | L1   | TO       |
| 768          |        | 241         | 249                         | 439                         | 485                   | 266                       | 224                                | 222                  | 330            | 105                  | 102         | 41            |                 | m   | 5/51           | L1   | TO       |
| 779          |        | 235         | 253                         | 437                         | 495                   | 267                       | 231                                |                      | 324            | 104                  | 106         | 38            |                 |     | 8/50           | L1   | BMS      |
| 795          |        | 248         | 264                         | 461                         | 499                   | 266                       | 231                                | 211                  | 362            | 117                  | 110         | 40            | 9/19            | m   | 4/51           | L1   | TO       |
| 802          |        | 249         | 251                         | 450                         | 492                   | 274                       | 228                                | 232                  | 341            | 115                  | 111         | 39            |                 |     | 2/51           |      | KE       |
| 811          |        | 248         | 258                         | 462                         | 508                   | 267                       | 242                                | 235                  | 347            | 122                  | 112         | 40            | 8/18            | m   | 5/51           | L1   | TO       |
| 812          |        | 250         | 261                         | 463                         | 512                   | 276                       | 240                                | 229                  | 329            | 110                  | 105         | 41            | 8/18            | m   | 6/51           | L1   | TO       |
| 820          |        | 249         | 267                         | 468                         | 514                   | 277                       | 256                                | 236                  | 372            | 119                  | 116         | 41            |                 |     | 2/51           |      | KE       |
| 825          |        | 256         | 257                         | 459                         | 508                   | 290                       | 231                                |                      | 335            | 123                  | 116         | 40            |                 |     | 8/50           | L1   | BMS      |
| 827          |        | 254         | 275                         | 480                         | 513                   | 276                       | 247                                | 241                  | 316            | 120                  | 109         | 40            |                 | f   | 4/51           | L1   | TO       |
| 830          |        | 254         | 263                         | 470                         | 517                   | 283                       | 239                                | 232                  | 332            | 121                  | 116         | 40            |                 | m   | 6/51           | L1   | TO       |
| 842          |        | 255         | 277                         | 475                         | 528                   | 281                       | 251                                | 248                  | 372            | 120                  | 112         | 41            | 8/18            | m   | 4/51           | L1   | TO       |
| 844          |        | 261         | 276                         | 483                         | 518                   | 285                       | 243                                | 242                  | 370            | 126                  | 130         | 42            |                 |     | 8/50           | L1   | BMS      |
| 853          |        | 262         | 265                         | 481                         | 529                   | 287                       | 254                                | 248                  | 337            | 127                  | 127         | 40            |                 | f   | 4/51           | L1   | TO       |
| 859          |        | 261         | 276                         | 490                         | 545                   | 285                       | 258                                | 227                  | 355            | 117                  | 112         | 40            |                 | f   | 5/51           | L1   | TO       |
| 860          |        | 263         | 276                         | 493                         | 532                   | 288                       | 245                                | 244                  | 352            | 125                  | 125         | 43            | 8/18            | f   | 4/51           | L1   | TO       |
| 862          |        | 264         | 283                         | 498                         | 539                   | 285                       | 236                                | 235                  | 352            | 125                  | 125         | 43            | 9/19            | m   | 4/51           | L1   | TO       |
| 874          |        | 266         | 280                         | 488                         | 538                   | 306                       | 245                                |                      | 395            | 124                  | 119         | 44            |                 |     | 8/50           | L1   | BMS      |
| 875          | 31     | 264         | 289                         | 498                         | 544                   | 297                       | 255                                | 211                  | 407            | 116                  | 115         | 42            |                 | f   | 5/51           | L1   | TO       |
| 879          |        | 267         | 271                         | 485                         | 548                   | 299                       | 259                                | 255                  | 376            | 172                  | 178         | 41            |                 |     | 2/51           |      | KE       |
| 881          |        | 269         | 285                         | 494                         | 545                   | 292                       | 257                                | 252                  | 316            | 123                  | 119         | 42            | 8/18            | m   | 5/51           | L1   | TO       |
| 895          |        | 266         | 279                         | 503                         | 558                   | 305                       | 255                                | 250                  | 392            | 129                  | 124         | 40            |                 | m   | 4/51           | L1   | TO       |
| 923          |        | 279         | 292                         | 509                         | 564                   | 313                       | 258                                | 256                  | 382            | 137                  | 130         | 43            |                 | m   | 4/51           | L1   | TO       |
| 925          |        | 283         | 293                         | 521                         | 577                   | 328                       | 252                                | 260                  | 365            | 136                  | 130         | 42            |                 | m   | 4/51           | L1   | TO       |
| 929          |        | 278         | 299                         | 537                         | 585                   | 313                       | 279                                | 267                  | 400            | 143                  | 134         | 42            | 8/18            | f   | 4/51           | L1   | TO       |

Table 28. Bigeye from the Western Equatorial Pacific:  
Eastern Caroline. (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Edge Vent. | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Raker | Sex | Month and Year | Gear | Examiner |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|------------------------------------|------------------------|-----------------|-------------------|-------------|---------------|----------------|-----|----------------|------|----------|
| 931          |        | 284         | 295                         | 525                         | 588                   | 318                      | 275                                |                        | 387             | 128               | 133         | 42            |                |     | 8/50           | L1   | BMS      |
| 932          |        | 283         | 297                         | 525                         | 591                   | 314                      | 288                                | 270                    | 362             | 150               | 145         | 45            |                | m   | 6/51           | L1   | TO       |
| 935          |        | 283         | 295                         | 523                         | 574                   | 320                      | 264                                |                        | 402             | 142               | 136         | 43            |                |     | 8/50           | L1   | BMS      |
| 941          |        | 275         | 297                         | 521                         | 583                   | 320                      | 271                                | 272                    | 354             | 155               | 135         | 40            |                |     | 2/51           |      | KE       |
| 949          |        | 290         | 294                         | 529                         | 591                   | 322                      | 276                                | 265                    | 288             | 145               | 145         | 43            |                | m   | 4/51           | L1   | TO       |
| 953          |        | 285         | 289                         | 531                         | 590                   | 325                      | 267                                | 263                    | 365             | 147               | 141         | 43            |                | f   | 4/51           | L1   | TO       |
| 955          |        | 285         | 283                         | 526                         | 594                   | 326                      | 268                                | 260                    | 338             | 144               | 140         | 42            |                |     | 2/51           |      | KE       |
| 960          |        | 291         | 309                         | 536                         | 599                   | 325                      | 283                                | 266                    | 385             | 146               | 143         | 44            |                |     | 2/51           |      | KE       |
| 962          |        | 286         | 310                         | 537                         | 593                   | 324                      | 286                                |                        | 374             | 140               | 142         | 43            |                |     | 8/50           | L1   | BMS      |
| 979          |        | 295         | 315                         | 541                         | 613                   | 338                      | 279                                | 268                    | 362             | 148               | 152         | 42            |                | f   | 4/51           | L1   | TO       |
| 986          |        | 296         | 302                         | 542                         | 601                   | 330                      | 278                                | 266                    | 380             | 152               | 136         | 41            |                | m   | 4/51           | L1   | TO       |
| 986          |        | 302         | 320                         | 555                         | 607                   | 332                      | 282                                | 271                    | 373             | 142               | 144         | 42            |                |     | 2/51           |      | KE       |
| 990          |        | 299         | 302                         | 553                         | 616                   | 336                      | 285                                | 277                    | 417             | 161               | 155         | 45            | 8/18           | m   | 4/51           | L1   | TO       |
| 1000         |        | 318         | 335                         | 585                         | 662                   | 354                      | 328                                |                        | 341             | 179               | 182         | 46            |                |     | 8/50           | L1   | BMS      |
| 1001         |        | 302         | 308                         | 561                         | 626                   | 340                      | 289                                | 278                    | 459             | 158               | 148         | 43            |                | m   | 6/51           | L1   | TO       |
| 1006         |        | 302         | 311                         | 563                         | 633                   | 343                      | 296                                | 287                    | 372             | 150               | 152         | 44            |                | m   | 4/51           | L1   | TO       |
| 1011         |        | 300         | 315                         | 561                         | 617                   | 337                      | 284                                | 281                    | 160             | 145               | 148         | 44            |                | m   | 4/51           | L1   | TO       |
| 1016         |        | 299         | 310                         | 559                         | 623                   | 341                      | 285                                | 280                    | 395             | 146               | 147         | 44            |                |     | 2/51           |      | KE       |
| 1022         |        | 306         | 327                         | 572                         | 626                   | 335                      | 289                                | 285                    | 388             | 162               | 167         | 46            | 8/18           | f   | 4/51           | L1   | TO       |
| 1022         |        | 313         | 319                         | 565                         | 633                   | 359                      | 292                                | 298                    | 329             | 141               | 140         | 44            |                |     | 2/51           |      | KE       |
| 1028         |        | 309         | 323                         | 575                         | 634                   | 342                      | 305                                | 285                    | 357             | 158               | 160         | 44            |                |     | 4/51           | L1   | TO       |
| 1033         |        | 304         | 321                         | 567                         | 634                   | 346                      | 298                                | 280                    | 359             | 141               | 137         | 46            |                |     | 2/51           |      | KE       |
| 1035         |        | 301         | 311                         | 563                         | 640                   | 335                      | 321                                |                        | 375             | 161               | 158         | 44            |                |     | 8/50           | L1   | BMS      |
| 1037         |        | 315         | 328                         | 579                         | 635                   | 350                      | 290                                | 287                    | 437             | 148               | 150         | 46            |                | f   | 4/51           | L1   | TO       |
| 1047         |        | 316         | 324                         | 583                         | 630                   | 332                      | 302                                | 300                    | 365             | 173               | 170         | 45            |                | m   | 5/51           | L1   | TO       |
| 1050         |        | 315         | 323                         | 571                         | 635                   | 351                      | 284                                | 281                    | 334             | 146               | 151         | 45            |                | f   | 4/51           | L1   | TO       |
| 1054         |        | 312         | 318                         | 582                         | 631                   | 342                      | 297                                | 282                    | 358             | 170               | 165         | 48            |                | f   | 6/51           | L1   | TO       |
| 1056         |        | 312         | 333                         | 586                         | 640                   | 348                      | 303                                |                        | 352             | 174               | 168         | 48            |                | f   | 8/50           | L1   | BMS      |
| 1060         |        | 313         | 329                         | 582                         | 651                   | 355                      | 311                                |                        | 475             | 166               | 172         | 44            |                |     | 8/50           | L1   | BMS      |
| 1067         |        | 320         | 333                         | 594                         | 641                   | 356                      | 296                                |                        | 361             | 168               | 158         | 51            |                |     | 8/50           | L1   | BMS      |



Table 28. Bigeye from the Western Equatorial Pacific:  
Eastern Carolines (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventrals | Ins. Ventrals to<br>Ar. Edge Ventrals | Greatest Body<br>Depth | Length to Anal | Height to Dorsal | Height Anal | Diameter Lvl | No. Gill Rakers | Sex | Month and Yr | Grade | Remarks |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|---------------------------|---------------------------------------|------------------------|----------------|------------------|-------------|--------------|-----------------|-----|--------------|-------|---------|
| 1072         |        | 318         | 330                         | 596                         | 656                   | 357                       | 319                                   |                        | 332            | 180              | 167         | 48           |                 |     | 8/50         | L1    | BMS     |
| 1075         |        | 319         | 323                         | 592                         | 660                   | 359                       | 307                                   | 279                    | 399            | 163              | 156         | 46           |                 | m   | 4/51         | L1    | TO      |
| 1075         |        | 323         | 326                         | 589                         | 665                   | 362                       | 309                                   | 298                    | 412            | 157              | 160         | 46           |                 | m   | 6/51         | L1    | TO      |
| 1081         |        | 319         | 324                         | 589                         | 665                   | 372                       | 307                                   |                        | 337            | 181              | 175         | 47           |                 |     | 8/50         | L1    | BMS     |
| 1088         |        | 319         | 329                         | 595                         | 668                   | 361                       | 325                                   |                        | 373            | 178              | 175         | 49           |                 |     | 8/50         | L1    | BMS     |
| 1088         |        | 324         | 337                         | 598                         | 668                   | 356                       | 334                                   |                        | 459            | 183              | 174         | 47           |                 |     | 8/50         | L1    | BMS     |
| 1096         |        | 326         | 345                         | 606                         | 678                   | 356                       | 327                                   | 305                    | 361            | 177              | 192         | 44           |                 | f   | 4/51         | L1    | TO      |
| 1101         |        | 328         | 336                         | 601                         | 661                   | 369                       | 311                                   |                        | 345            | 173              | 170         | 49           |                 |     | 8/50         | L1    | BMS     |
| 1102         |        | 332         | 345                         | 614                         | 678                   | 375                       | 323                                   |                        | 339            | 182              | 183         | 46           |                 |     | 8/50         | L1    | BMS     |
| 1108         |        | 326         | 346                         | 612                         | 678                   | 376                       | 323                                   | 321                    | 345            | 176              | 183         | 48           |                 |     | 8/50         | L1    | BMS     |
| 1112         | 66     | 334         | 350                         | 617                         | 692                   | 371                       | 330                                   | 335                    | 341            | 175              | 175         | 48           | 8/17            | f   | 4/51         | L1    | TO      |
| 1114         | 64     | 332         | 351                         | 620                         | 686                   | 375                       | 325                                   | 311                    | 346            | 171              | 188         | 49           |                 |     | 4/51         | L1    | TO      |
| 1121         |        | 322         | 332                         | 599                         | 673                   | 360                       | 322                                   |                        | 341            | 177              | 169         | 46           |                 |     | 8/50         | L1    | BMS     |
| 1126         |        | 328         | 347                         | 626                         | 685                   | 371                       | 334                                   | 318                    | 365            | 170              | 167         | 47           |                 |     | 2/51         |       | KE      |
| 1127         |        | 341         | 364                         | 634                         | 711                   | 388                       | 347                                   | 326                    | 351            | 201              | 191         | 50           |                 |     | 2/51         |       | KE      |
| 1128         |        | 332         | 351                         | 612                         | 691                   | 375                       | 333                                   |                        | 374            | 171              | 181         | 48           |                 |     | 8/50         | L1    | BMS     |
| 1134         | 66     | 330         | 346                         | 610                         | 694                   | 361                       | 342                                   | 313                    | 321            | 169              | 159         | 50           |                 | f   | 4/51         | L1    | TO      |
| 1142         |        | 333         | 352                         | 628                         | 696                   | 370                       | 336                                   | 322                    | 370            | 203              | 183         | 47           |                 | f   | 5/51         | L1    | TO      |
| 1145         |        | 348         | 359                         | 635                         | 690                   | 395                       | 322                                   |                        | 367            | 182              | 183         | 51           |                 |     | 8/50         | L1    | BMS     |
| 1147         | 83     | 338         | 341                         | 623                         | 704                   | 375                       | 347                                   | 338                    | 335            | 187              | 181         | 50           |                 | f   | 4/51         | L1    | TO      |
| 1152         |        | 342         | 361                         | 638                         | 703                   | 386                       | 333                                   | 339                    | 341            | 185              | 180         | 50           |                 |     | 2/51         |       | KE      |
| 1156         |        | 347         | 367                         | 648                         | 700                   | 373                       | 326                                   | 322                    | 328            | 177              | 174         | 49           |                 |     | 2/51         |       | KE      |
| 1159         |        | 340         | 367                         | 641                         | 704                   | 386                       | 326                                   | 322                    | 382            | 180              | 172         | 49           |                 |     | 2/51         |       | KE      |
| 1160         |        | 346         | 353                         | 629                         | 695                   | 387                       | 335                                   | 333                    | 365            | 185              | 180         | 49           |                 |     | 2/51         |       | KE      |
| 1170         |        | 344         | 353                         | 637                         | 719                   | 381                       | 343                                   | 322                    | 354            | 179              | 184         | 52           |                 | f   | 5/51         | L1    | TO      |
| 1182         |        | 349         | 363                         | 642                         | 724                   | 402                       | 330                                   | 325                    | 336            | 177              | 182         | 52           |                 |     | 2/51         |       | KE      |
| 1188         |        | 338         | 359                         | 647                         | 737                   | 397                       | 356                                   | 334                    | 335            | 191              | 180         | 51           |                 |     | 2/51         |       | KE      |
| 1188         |        | 346         | 370                         | 658                         | 721                   | 373                       | 355                                   | 332                    | 345            | 193              | 186         | 51           |                 |     | 2/51         |       | KE      |
| 1192         |        | 343         | 359                         | 673                         | 730                   | 380                       | 355                                   | 340                    | 345            | 193              | 178         | 49           |                 |     | 4/51         | L1    | TO      |
| 1195         | 93     | 348         | 360                         | 658                         | 734                   | 384                       | 357                                   | 348                    | 325            | 187              | 195         | 51           | 8/17            | f   | 4/51         | L1    | TO      |

Table 28. Bigeye from the Western Equatorial Pacific:  
Eastern Carolines (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventrals to<br>Ant. Edge Vent | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|------------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 1197         | 74     | 346         | 367                         | 652                         | 726                   | 380                      | 359                                | 330                    | 331             | 198               | 205         | 53            | 8/18            | f   | 4/51           | L1   | TO       |
| 1200         |        | 346         | 358                         | 642                         | 730                   | 407                      | 330                                | 332                    | 342             | 196               | 177         | 48            |                 |     | 2/51           |      | KE       |
| 1213         | 95     | 354         | 362                         | 658                         | 727                   | 391                      | 352                                | 355                    | 339             | 188               | 180         | 53            | 8/18            | m   | 4/51           | L1   | TO       |
| 1226         |        |             | 381                         | 665                         | 755                   | 410                      | 362                                | 342                    | 343             | 186               | 201         | 52            |                 |     | 2/51           |      | KE       |
| 1233         |        | 361         | 378                         | 671                         | 741                   | 408                      | 354                                |                        | 377             | 202               | 205         | 51            |                 |     | 8/50           | L1   | BMS      |
| 1235         |        | 358         | 378                         | 683                         | 756                   | 393                      | 364                                | 316                    | 350             | 204               | 188         | 51            |                 | f   | 4/51           | L1   | TO       |
| 1245         |        | 365         | 372                         | 663                         | 769                   | 415                      | 370                                | 348                    | 364             | 205               | 205         | 50            |                 |     | 2/51           |      | KE       |
| 1249         | 86     | 361         | 370                         | 671                         | 765                   | 400                      | 382                                | 355                    | 332             | 186               | 190         | 50            | 8/18            | f   | 4/51           | L1   | TO       |
| 1263         |        | 366         | 394                         | 698                         | 761                   | 403                      | 377                                | 365                    | 352             | 199               | 194         | 49            |                 | f   | 4/51           | L1   | TO       |
| 1264         |        | 363         | 372                         | 675                         | 774                   | 424                      | 368                                | 373                    | 333             | 232               | 212         | 50            |                 |     | 2/51           |      | KE       |
| 1270         |        | 363         | 375                         | 686                         | 768                   | 417                      | 369                                | 360                    | 359             | 193               | 200         | 50            |                 |     | 2/51           |      | KE       |
| 1274         |        | 378         | 401                         | 701                         | 767                   | 416                      | 371                                | 381                    | 372             | 247               | 232         | 53            |                 | f   | 4/51           | L1   | TO       |
| 1282         | 99     | 369         | 380                         | 699                         | 790                   | 440                      | 373                                | 362                    | 345             | 215               | 205         | 51            |                 | f   | 4/51           | L1   | TO       |
| 1294         |        | 372         | 383                         | 700                         | 778                   | 413                      | 381                                | 372                    | 358             | 237               | 216         | 49            |                 |     | 2/51           |      | KE       |
| 1295         |        | 376         | 386                         | 694                         | 773                   | 413                      | 374                                | 356                    | 351             | 209               | 203         | 51            | 8/18            | m   | 4/51           | L1   | TO       |
| 1297         |        | 377         | 402                         | 708                         | 782                   | 404                      | 391                                | 381                    | 345             | 194               | 201         | 54            |                 | m   | 4/51           | L1   | TO       |
| 1302         |        | 387         | 390                         | 697                         | 795                   | 425                      | 379                                | 379                    | 347             | 223               | 220         | 56            |                 |     | 2/51           |      | KE       |
| 1307         |        | 393         | 388                         | 704                         | 785                   | 429                      | 382                                |                        | 343             | 213               | 219         | 57            |                 |     | 8/50           | L1   | BMS      |
| 1308         |        | 386         | 411                         | 706                         | 796                   | 418                      | 393                                | 362                    | 346             | 227               | 216         | 53            | 8/18            | f   | 4/51           | L1   | TO       |
| 1314         | 114    | 381         | 393                         | 698                         | 790                   | 425                      | 399                                | 390                    | 357             | 202               | 202         | 54            |                 | f   | 4/51           | L1   | TO       |
| 1316         |        |             | 402                         | 711                         | 795                   | 414                      | 386                                | 363                    |                 | 181               | 194         | 51            |                 |     | 2/51           |      | KE       |
| 1316         |        | 383         | 410                         | 714                         | 800                   | 425                      | 387                                | 390                    | 377             | 253               | 225         | 52            |                 |     | 2/51           |      | KE       |
| 1318         |        | 390         | 397                         | 720                         | 798                   | 442                      | 367                                | 364                    | 349             | 215               | 210         | 56            |                 |     | 2/51           |      | KE       |
| 1321         |        |             | 395                         | 711                         | 810                   | 443                      | 375                                | 371                    | 365             | 207               | 213         | 54            |                 |     | 2/51           |      | KE       |
| 1321         | 122    | 392         | 403                         | 725                         | 793                   | 428                      | 376                                | 388                    | 360             | 226               | 221         | 54            | 8/19            | m   | 4/51           | L1   | TO       |
| 1326         |        | 384         | 387                         | 722                         | 803                   | 424                      | 387                                | 366                    | 354             | 233               | 211         | 51            | 8/18            | m   | 4/51           | L1   | TO       |
| 1329         |        | 387         | 410                         | 724                         | 796                   | 431                      | 381                                |                        | 364             | 207               | 219         | 54            |                 |     | 8/50           | L1   | BMS      |
| 1331         |        | 388         | 403                         | 714                         | 800                   | 431                      | 386                                |                        | 345             | 206               | 215         | 63            |                 |     | 8/50           | L1   | BMS      |
| 1337         |        | 401         | 408                         | 723                         | 811                   | 446                      | 387                                |                        | 354             | 241               | 244         | 59            |                 |     | 8/50           | L1   | BMS      |
| 1350         | 122    | 380         | 396                         | 724                         | 804                   | 416                      | 400                                | 396                    | 361             | 223               | 233         | 53            | 8/18            | m   | 4/51           | L1   | TO       |

Table 28. Bigeye from the Western Equatorial Pacific:  
Eastern Carolines (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>1st Dorsal | Greatest Body<br>Depth | Length Pectoral | Height 1st Dorsal | Height Anal | Diameter Eye | No. Gill Rakers | Sex | Month and Year | Group | Remarks |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|-------------------------------|------------------------|-----------------|-------------------|-------------|--------------|-----------------|-----|----------------|-------|---------|
| 1361         | 119    | 398         | 403                         | 730                         | 811                   | 438                      | 391                           | 377                    | 372             | 230               | 233         | 55           |                 | m   | 4/51           | L1    | TO      |
| 1368         |        | 407         | 414                         | 715                         | 806                   | 446                      | 378                           |                        | 369             | 236               | 229         | 57           |                 |     | 8/50           | L1    | BMS     |
| 1375         | 130    | 394         | 406                         | 740                         | 814                   | 424                      | 401                           | 397                    | 345             | 239               | 231         | 55           |                 | m   | 4/51           | L1    | TO      |
| 1387         |        | 397         | 420                         | 746                         | 829                   | 435                      | 407                           | 392                    | 367             | 221               | 217         | 53           |                 | m   | 4/51           | L1    | TO      |
| 1391         | 137    | 403         | 408                         | 753                         | 829                   | 447                      | 395                           | 391                    | 389             | 224               | 220         | 53           |                 | m   | 4/51           | L1    | TO      |
| 1392         |        | 406         | 417                         | 756                         | 855                   | 445                      | 419                           | 395                    | 373             | 271               | 246         | 56           |                 |     | 2/51           |       | KE      |
| 1399         | 130    | 405         | 418                         | 760                         | 848                   | 436                      | 427                           | 388                    | 356             | 239               | 236         | 57           |                 | m   | 4/51           | L1    | TO      |
| 1400         | 132    | 395         | 428                         | 766                         | 846                   | 434                      | 432                           | 402                    | 364             | 217               | 209         | 56           | 8/18            | f   | 4/51           | L1    | TO      |
| 1401         |        | 400         | 428                         | 752                         | 841                   | 454                      | 411                           |                        | 345             | 242               | 239         | 58           |                 |     | 8/50           | L1    | BMS     |
| 1415         |        | 400         | 426                         | 767                         | 852                   | 445                      | 418                           | 406                    | 363             | 242               | 240         | 53           |                 | m   | 4/51           | L1    | TO      |
| 1415         |        | 411         | 440                         | 757                         | 839                   | 456                      | 406                           |                        | 356             | 245               | 251         | 58           |                 |     | 8/50           | L1    | BMS     |
| 1419         |        | 413         | 416                         | 752                         | 851                   | 457                      | 425                           |                        | 351             | 240               | 208         | 59           |                 |     | 8/50           | L1    | BMS     |
| 1422         |        | 410         | 413                         | 746                         | 826                   | 449                      | 400                           |                        | 339             | 231               | 231         | 57           |                 |     | 8/50           | L1    | BMS     |
| 1423         |        | 399         | 421                         | 770                         | 847                   | 434                      | 430                           | 398                    | 351             | 221               | 219         | 52           |                 | m   | 4/51           | L1    | TO      |
| 1423         | 132    | 406         | 418                         | 770                         | 851                   | 444                      | 415                           | 345                    | 355             | 212               | 220         | 54           | 8/18            | m   | 4/51           | L1    | TO      |
| 1424         | 149    | 409         | 444                         | 775                         | 848                   | 442                      | 436                           | 436                    | 359             | 232               | 231         | 60           | 8/18            | m   | 4/51           | L1    | TO      |
| 1435         | 145    | 410         | 429                         | 766                         | 855                   | 446                      | 419                           | 421                    | 374             | 232               | 241         | 54           |                 | m   | 4/51           | L1    | TO      |
| 1435         |        | 414         | 432                         | 764                         | 855                   | 464                      | 423                           | 397                    | 397             | 227               | 223         | 56           |                 |     | 2/51           |       | KE      |
| 1435         | 140    | 416         | 432                         | 771                         | 863                   | 468                      | 411                           | 421                    | 350             | 219               | 231         | 56           | 8/18            | f   | 4/51           | L1    | TO      |
| 1436         | 149    | 396         | 416                         | 777                         | 876                   | 458                      | 435                           | 427                    | 356             | 245               | 241         | 55           | 8/18            | f   | 4/51           | L1    | TO      |
| 1440         | 136    | 416         | 404                         | 768                         | 872                   | 514                      | 425                           | 395                    | 348             | 237               | 225         | 61           |                 | m   | 4/51           | L1    | TO      |
| 1443         |        | 410         | 439                         | 773                         | 851                   | 458                      | 413                           | 405                    | 366             | 194               | 215         | 55           |                 |     | 2/51           |       | KE      |
| 1450         | 157    | 406         | 419                         | 768                         | 850                   | 435                      | 430                           | 405                    | 375             | 235               | 236         | 55           | 8/18            | m   | 4/51           | L1    | TO      |
| 1459         | 157    | 420         | 442                         | 787                         | 862                   | 461                      | 428                           | 441                    | 363             | 243               | 240         | 53           |                 | m   | 4/51           | L1    | TO      |
| 1464         |        | 424         | 466                         | 805                         | 883                   | 514                      | 400                           | 432                    | 375             | 273               | 250         | 61           |                 |     | 4/51           |       | KE      |
| 1467         |        | 423         | 430                         | 783                         | 875                   | 480                      | 412                           | 429                    | 357             | 218               | 228         | 59           |                 | m   | 5/51           | L1    | TO      |
| 1468         |        | 419         | 449                         | 788                         | 878                   | 463                      | 432                           | 419                    | 337             | 227               | 227         | 57           |                 | m   | 4/51           | L1    | TO      |
| 1468         | 141    | 427         | 432                         | 789                         | 884                   | 480                      | 437                           | 434                    | 378             | 260               | 246         | 55           |                 | m   | 4/51           | L1    | TO      |
| 1474         |        | 424         | 439                         | 784                         | 878                   | 473                      | 436                           |                        | 368             | 250               | 243         | 58           |                 |     | 7/50           | L1    | BMS     |
| 1483         |        | 406         | 420                         | 777                         | 875                   | 447                      | 432                           | 402                    | 373             | 255               | 260         | 54           |                 |     | 2/51           |       | KE      |

Table 28 Bigeye from the Western Equatorial Pacific:  
Eastern Carolines (Continued)

| Total Length | Weight  | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Edge Vent. | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|---------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|------------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 1488         | 153     | 440         | 446                         | 800                         | 892                   | 486                      | 429                                |                        | 337             | 230               | 225         | 60            |                 |     | 8/50           | L1   | BMS      |
| 1490         |         | 424         | 439                         | 795                         | 897                   | 483                      | 424                                | 435                    | 369             | 252               | 251         | 55            |                 | m   | 4/51           | L1   | TO       |
| 1501         |         | 422         | 445                         | 799                         | 897                   | 465                      | 458                                | 439                    | 388             | 260               | 260         | 55            |                 | m   | 4/51           | L1   | TO       |
| 1505         |         | 431         | 453                         | 808                         | 900                   | 475                      | 435                                | 429                    | 380             | 229               | 233         | 54            |                 | m   | 4/51           | L1   | TO       |
| 1509         |         | 433         | 441                         | 807                         | 914                   | 528                      | 415                                | 434                    | 353             | 227               | 239         | 55            |                 |     | 2/51           |      | KE       |
| 1509         |         | 439         | 441                         | 816                         | 904                   | 490                      | 430                                | 428                    | 372             | 259               | 245         | 59            |                 | f   | 4/51           | L1   | TO       |
| 1525         |         | 445         | 448                         | 824                         | 916                   | 485                      | 445                                | 443                    | 365             | 241               | 250         | 60            |                 | m   | 4/51           | L1   | TO       |
| 1538         |         | 440         | 458                         | 823                         | 917                   | 480                      | 462                                | 471                    | 393             | 254               | 242         | 55            | 8/18            | m   | 5/51           | L1   | TO       |
| 1572         |         | 449         | 460                         | 839                         | 929                   | 500                      | 448                                | 455                    | 388             | 271               | 278         | 59            |                 | f   | 4/51           | L1   | TO       |
| 1590         |         | 443         | 469                         | 849                         | 963                   | 492                      | 493                                | 470                    | 367             | 257               | 240         | 60            |                 |     | 2/51           |      | KE       |
| 1590         | 198     | 448         | 470                         | 851                         | 947                   | 502                      | 453                                | 437                    | 387             | 244               | 233         | 57            |                 |     | 2/51           |      | KE       |
| 1599         |         | 443         | 474                         | 858                         | 961                   | 501                      | 496                                | 487                    | 387             | 277               | 255         | 62            |                 | m   | 4/51           | L1   | TO       |
| 1608         |         | 449         | 469                         | 861                         | 956                   | 491                      | 470                                | 452                    | 382             | 242               | 255         | 59            | 8/18            | m   | 4/51           | L1   | TO       |
| 1621         |         | 451         | 471                         | 861                         | 982                   | 529                      | 483                                | 449                    | 385             | 258               | 240         | 56            |                 | m   | 4/51           | L1   | TO       |
| 1637         |         | 472         | 500                         | 899                         | 994                   | 517                      | 494                                | 442                    | 369             | 253               | 239         | 59            |                 | m   | 4/51           | L1   | TO       |
| 1646         | 206 1/2 | 449         | 496                         | 890                         | 982                   | 487                      | 508                                | 457                    | 363             | 273               | 264         | 55            | 9/18            | f   | 6/51           | L1   | WVC      |
| 1652         |         | 454         | 479                         | 875                         | 1003                  | 533                      | 492                                | 455                    | 404             | 275               | 255         | 55            |                 |     | 2/51           |      | KE       |
| 1653         |         | 454         | 480                         | 879                         | 953                   | 488                      | 472                                | 444                    | 388             | 250               | 250         | 55            | 8/18            | m   | 4/51           | L1   | TO       |
| 1666         |         | 456         | 477                         | 863                         | 972                   | 494                      | 490                                | 449                    | 400             | 245               | 247         | 58            |                 | m   | 4/51           | L1   | TO       |

Table 29. Bigeye from the Western Equatorial Pacific:  
Central Carolines

|     |    |     |     |     |     |     |     |     |     |    |    |    |  |   |       |    |     |
|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|--|---|-------|----|-----|
| 516 |    | 160 | 171 | 294 | 326 | 178 | 152 | 151 | 197 | 59 | 54 | 29 |  |   | 7/50  | P1 | BMS |
| 549 |    | 177 | 188 | 312 | 351 | 201 | 157 | 153 | 217 | 70 | 60 | 32 |  |   | 6/50  | L1 | BMS |
| 628 |    | 195 | 206 | 365 | 399 | 217 | 191 | 186 | 246 | 80 | 76 |    |  | f | 4/51  | L1 | TO  |
| 645 |    | 200 | 211 | 363 | 411 | 229 | 197 | 178 | 230 | 85 | 77 | 34 |  |   | 6/50  | L1 | BMS |
| 649 |    | 199 | 209 | 366 | 413 | 226 | 187 | 179 | 264 | 85 | 79 | 34 |  |   | 12/50 |    | KE  |
| 685 | 17 | 212 | 223 | 388 | 432 | 234 | 201 | 196 | 307 | 93 | 83 | 35 |  |   | 4/51  | L1 | TO  |
| 697 |    | 216 | 230 | 402 | 448 | 235 | 211 | 189 | 261 | 92 | 94 | 35 |  | f | 4/51  | L1 | TO  |
| 707 |    | 220 | 229 | 402 | 455 | 248 | 210 | 184 | 262 | 96 | 91 | 38 |  | f | 4/51  | L1 | TO  |
| 713 |    | 216 | 232 | 406 | 453 | 236 | 220 | 208 | 312 | 95 | 93 | 36 |  | f | 4/51  | L1 | TO  |
| 716 |    | 218 | 239 | 413 | 449 | 246 | 204 | 194 | 282 | 84 | 88 | 38 |  | f | 4/51  | L1 | TO  |

Table 29. Bigeye from the Western Equatorial Pacific:  
Central Carolines (Continued)

| Total Length | Weight | Head Length | Snout to I. 1st Dorsal | Snout to I. 1st Anal | Snout to I. 1st Ventrals | Snout to I. 1st Pelvic | Snout to I. 1st Pectoral | Length Pectoral | Height at Dorsal | Height at Anal | Depth at I. | P. anal fin | Sex  | Month and Year | Age   | Remarks |
|--------------|--------|-------------|------------------------|----------------------|--------------------------|------------------------|--------------------------|-----------------|------------------|----------------|-------------|-------------|------|----------------|-------|---------|
| 726          |        | 222         | 238                    | 416                  | 456                      | 251                    | 215                      | 196             | 282              | 102            | 104         | 38          |      |                | L1    | BMS     |
| 729          | 21     | 231         | 245                    | 430                  | 466                      | 256                    | 213                      | 210             | 302              | 103            | 100         | 38          | 8/18 | f              | 4/51  | L1 TO   |
| 740          |        | 234         | 240                    | 426                  | 468                      | 257                    | 218                      | 208             | 306              | 108            | 92          | 38          | 8/19 | f              | 4/51  | L1 TO   |
| 746          | 18     | 227         | 239                    | 422                  | 468                      | 251                    | 216                      | 201             | 312              | 96             | 86          | 35          | 8/18 | f              | 4/51  | L1 TO   |
| 752          |        | 253         | 243                    | 429                  | 474                      | 265                    | 216                      | 201             | 291              | 103            | 96          | 38          | 8/18 | f              | 4/51  | L1 TO   |
| 753          |        | 232         | 237                    | 424                  | 480                      | 254                    | 238                      | 202             | 318              | 101            | 96          | 39          |      | f              | 4/51  | L1 TO   |
| 756          | 21     | 238         | 251                    | 432                  | 486                      | 263                    | 234                      | 219             | 343              | 116            | 104         | 38          |      | f              | 4/51  | L1 TO   |
| 775          | 21     | 238         | 253                    | 444                  | 485                      | 260                    | 228                      | 215             | 316              | 105            | 102         | 39          |      | m              | 4/51  | L1 TO   |
| 778          | 21     | 240         | 259                    | 446                  | 492                      | 261                    | 246                      | 222             | 310              | 112            | 104         | 40          |      | m              | 4/51  | L1 TO   |
| 783          |        | 241         | 251                    | 452                  | 490                      | 263                    | 232                      | 222             | 284              | 108            | 107         | 39          |      | m              | 4/51  | L1 TO   |
| 785          | 21     | 246         | 252                    | 449                  | 491                      | 265                    | 230                      | 222             | 319              | 115            | 107         | 41          |      | m              | 4/51  | L1 TO   |
| 790          | 22     | 239         | 258                    | 458                  | 499                      | 268                    | 225                      | 213             | 359              | 110            | 103         | 36          |      |                | 4/51  | L1 TO   |
| 793          |        | 241         | 259                    | 443                  | 505                      | 272                    | 238                      |                 | 314              | 111            | 109         | 41          |      | f              | 7/50  | L1 BMS  |
| 801          |        | 245         | 259                    | 450                  | 503                      | 279                    | 239                      | 223             | 333              | 117            | 113         | 40          |      |                | 7/50  | L1 BMS  |
| 805          |        | 246         | 261                    | 460                  | 505                      | 280                    | 224                      | 221             | 321              | 108            | 107         | 40          |      | f              | 4/51  | L1 TO   |
| 820          | 29     | 256         | 264                    | 455                  | 516                      | 282                    | 240                      | 242             | 312              | 114            | 116         | 42          |      | m              | 4/51  | L1 TO   |
| 823          |        | 255         | 270                    | 464                  | 510                      | 285                    | 237                      | 233             | 337              | 121            | 112         | 39          |      |                | 6/50  | L1 BMS  |
| 827          |        | 252         | 261                    | 454                  | 521                      | 286                    | 254                      | 231             | 313              | 109            | 114         | 42          |      |                | 6/50  | L1 BMS  |
| 838          |        | 260         | 274                    | 478                  | 528                      | 306                    | 231                      | 227             | 369              | 116            | 116         | 41          |      |                | 6/50  | L1 BMS  |
| 844          |        | 266         | 275                    | 477                  | 546                      | 308                    | 247                      | 241             | 372              | 123            | 121         | 42          |      |                | 6/50  | L1 BMS  |
| 868          |        | 263         | 284                    | 495                  | 535                      | 294                    | 250                      |                 | 373              | 129            | 124         | 42          |      |                | 7/50  | L1 BMS  |
| 893          | 27     | 272         | 281                    | 507                  | 544                      | 301                    | 243                      | 251             | 375              | 130            | 118         | 41          |      | f              | 4/51  | L1 TO   |
| 913          |        | 284         | 297                    | 513                  | 585                      | 319                    | 278                      | 262             | 416              | 136            | 133         | 42          |      | m              | 4/51  | L1 TO   |
| 923          |        | 273         | 287                    | 513                  | 572                      | 315                    | 256                      | 261             | 387              | 127            | 133         | 43          |      |                | 4/51  | L1 TO   |
| 945          |        | 271         | 293                    | 525                  | 586                      | 308                    | 286                      | 262             | 438              | 141            | 138         | 42          |      |                | 12/50 | KE      |
| 959          |        | 287         | 309                    | 533                  | 590                      | 323                    | 275                      | 267             | 419              | 141            | 133         | 42          |      | m              | 4/51  | L1 TO   |
| 959          |        | 311         | 324                    | 521                  | 637                      | 345                    | 311                      | 294             | 329              | 176            | 172         | 44          |      |                | 7/50  | L1 BMS  |
| 964          |        | 296         | 300                    | 537                  | 590                      | 318                    | 278                      | 277             | 373              | 154            | 156         | 45          |      |                | 4/51  | L1 TO   |
| 967          |        | 294         | 310                    | 540                  | 603                      | 329                    | 281                      | 273             | 405              | 134            | 132         | 44          |      | m              | 4/51  | L1 TO   |
| 996          | 41     | 293         | 313                    | 554                  | 610                      | 332                    | 285                      | 280             | 410              | 139            | 145         | 44          | 8/18 | f              | 4/51  | L1 TO   |

Table 29. Bigeye from the Western Equatorial Pacific:  
Central Carolines (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Edge Vent. | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Infra | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|------------------------------------|------------------------|-----------------|-------------------|-------------|----------------|-----------------|-----|----------------|------|----------|
| 1013         | 45     | 306         | 319                         | 556                         | 639                   | 347                      | 305                                | 279                    | 342             | 154               | 155         | 47             |                 |     | 6/50           | L1   | BMS      |
| 1015         |        | 300         | 322                         | 571                         | 627                   | 337                      | 291                                | 280                    | 416             | 155               | 155         | 43             |                 |     | 4/51           | L1   | TO       |
| 1058         |        | 313         | 326                         | 578                         | 640                   | 357                      | 302                                |                        | 354             | 179               | 175         | 46             |                 |     | 7/50           | L1   | BMS      |
| 1059         |        | 322         | 326                         | 582                         | 667                   | 371                      | 311                                |                        | 351             | 170               | 169         | 47             |                 |     | 6/50           | L1   | BMS      |
| 1062         |        | 313         | 321                         | 577                         | 645                   | 361                      | 298                                |                        | 372             | 167               | 172         | 47             |                 |     | 7/50           | L1   | BMS      |
| 1063         |        | 315         | 332                         | 578                         | 656                   | 358                      | 312                                |                        | 350             | 191               | 180         | 47             |                 | f   | 7/50           | L1   | BMS      |
| 1065         |        | 318         | 340                         |                             | 656                   | 359                      | 303                                |                        | 338             | 177               | 173         | 45             |                 |     | 7/50           | L1   | BMS      |
| 1072         |        | 319         | 327                         | 581                         | 645                   | 358                      | 292                                |                        | 356             | 175               | 169         | 47             |                 |     | 7/50           | L1   | BMS      |
| 1081         |        | 327         | 346                         | 596                         | 667                   | 371                      | 313                                | 304                    | 374             | 176               | 165         | 48             |                 |     | 6/50           | L1   | BMS      |
| 1121         |        | 341         | 346                         | 600                         | 700                   | 379                      | 335                                |                        | 350             | 191               | 199         | 46             |                 |     | 6/50           | L1   | BMS      |
| 1137         | 76     | 341         | 357                         | 619                         | 612                   | 385                      | 339                                | 322                    | 383             | 200               | 192         | 49             | 8/18            | m   | 12/50          |      | KE       |
| 1140         |        | 338         | 356                         | 621                         | 705                   | 380                      | 358                                |                        | 355             | 203               | 195         | 50             |                 |     | 7/50           | L1   | BMS      |
| 1141         |        | 337         | 355                         | 632                         | 699                   | 375                      | 351                                | 325                    | 360             | 184               | 183         | 44             |                 |     | 12/50          |      | KE       |
| 1157         |        | 342         | 350                         | 635                         | 711                   | 400                      | 345                                | 312                    | 366             | 175               | 172         | 48             |                 |     | 12/50          |      | KE       |
| 1160         |        | 340         | 361                         | 647                         | 704                   | 375                      | 347                                | 345                    | 359             | 216               | 190         | 49             |                 |     | 4/51           | L1   | TO       |
| 1165         |        | 344         | 355                         | 635                         | 705                   | 374                      | 327                                | 325                    | 341             | 179               | 179         | 49             |                 | m   | 4/51           | L1   | TO       |
| 1190         |        | 353         | 343                         | 629                         | 740                   | 432                      | 339                                | 320                    | 316             | 186               | 196         | 49             |                 |     | 12/50          |      | KE       |
| 1206         |        | 360         | 378                         | 662                         | 734                   | 402                      |                                    |                        | 354             | 199               | 183         | 53             |                 |     | 7/50           | L1   | BMS      |
| 1218         |        | 355         | 366                         | 656                         | 738                   | 410                      | 350                                | 339                    | 372             | 196               | 190         | 50             |                 |     | 6/50           | L1   | BMS      |
| 1219         |        | 360         | 372                         | 675                         | 739                   | 405                      | 349                                | 352                    | 352             | 197               | 192         | 50             |                 |     | 4/51           | L1   | TO       |
| 1222         | 99     | 356         | 374                         | 669                         | 742                   | 398                      | 362                                |                        | 351             | 183               | 190         | 53             |                 | f   | 7/50           | L1   | BMS      |
| 1229         |        | 364         | 366                         | 656                         | 737                   | 401                      | 352                                |                        | 343             | 222               | 212         | 54             |                 |     | 7/50           | L1   | BMS      |
| 1238         |        | 356         | 382                         | 650                         | 739                   | 403                      | 353                                |                        | 334             | 196               | 218         | 53             |                 |     | 7/50           | L1   | BMS      |
| 1243         |        | 361         | 374                         | 680                         | 749                   | 400                      | 360                                | 336                    | 331             | 202               | 178         | 51             |                 |     | 4/51           | L1   | TO       |
| 1257         |        | 371         | 380                         | 675                         | 762                   | 413                      | 366                                | 358                    | 360             | 198               | 209         | 51             |                 |     | 6/50           | L1   | BMS      |
| 1261         | 101    | 372         | 389                         | 673                         | 754                   | 414                      | 357                                | 351                    | 358             | 223               | 217         | 53             | 8/18            | m   | 7/50           | L1   | BMS      |
| 1268         |        | 371         | 383                         | 685                         | 768                   | 423                      | 369                                | 354                    | 332             | 209               | 195         | 53             |                 |     | 12/50          |      | KE       |
| 1272         |        | 359         | 372                         | 685                         | 767                   | 397                      | 387                                | 354                    | 339             | 196               | 201         | 50             |                 |     | 4/51           | L1   | TO       |
| 1273         |        | 373         | 389                         | 698                         | 771                   | 401                      | 379                                | 358                    | 351             | 207               | 203         | 53             |                 |     | 4/51           | L1   | TO       |
| 1285         |        | 372         | 387                         | 692                         | 776                   | 416                      | 383                                | 356                    | 357             | 208               | 203         | 54             |                 |     | 7/50           | L1   | BMS      |

Table 29. Bigeye from the Western Equatorial Pacific:  
Central Carolines (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Amb. Edge Vent | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gen | Remarks |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|-----------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|-----|---------|
| 1285         | 105    | 386         | 377                         | 691                         | 781                   | 460                      | 359                               | 378                    | 346             | 188               | 198         | 55            |                 | m   | 4/51           | L1  | TO      |
| 1294         | 91     | 374         | 405                         | 713                         | 779                   | 415                      |                                   | 377                    | 376             | 216               | 209         | 51            |                 | m   | 4/51           | L1  | TO      |
| 1309         | 95     | 373         | 406                         | 686                         | 775                   | 412                      | 381                               | 359                    | 350             | 204               | 199         | 50            |                 | f   | 4/51           | L1  | TO      |
| 1319         | 120    | 391         | 401                         | 716                         | 803                   | 432                      | 367                               | 359                    | 367             | 226               | 223         | 54            |                 | m   | 4/51           | L1  | TO      |
| 1334         | 107    | 382         | 393                         | 709                         | 795                   | 422                      | 380                               | 372                    | 359             | 197               | 213         | 54            |                 | m   | 4/51           | L1  | TO      |
| 1344         |        | 391         | 403                         | 722                         | 799                   | 428                      | 379                               | 373                    | 389             | 230               | 216         | 55            |                 | m   | 4/51           | L1  | TO      |
| 1355         |        | 395         | 412                         | 722                         | 822                   | 451                      | 377                               | 397                    | 350             | 209               | 213         | 55            |                 |     | 4/51           | L1  | TO      |
| 1356         | 120    | 386         | 410                         | 734                         | 811                   | 421                      | 415                               | 398                    | 344             | 202               | 205         | 57            |                 | m   | 4/51           | L1  | TO      |
| 1362         |        | 392         | 425                         | 733                         | 796                   | 427                      | 383                               |                        | 331             | 201               | 190         | 57            |                 | m   | 7/50           | L1  | BMS     |
| 1369         |        | 393         | 420                         | 724                         | 824                   | 434                      | 409                               |                        | 365             | 222               | 228         | 53            |                 |     | 7/50           | L1  | BMS     |
| 1373         |        | 395         | 416                         | 752                         | 821                   | 447                      | 385                               | 384                    | 351             | 228               | 220         | 52            |                 | m   | 4/51           | L1  | TO      |
| 1384         |        | 412         | 415                         | 746                         | 828                   | 459                      | 387                               |                        | 338             | 225               | 217         | 59            |                 | m   | 7/50           | L1  | BMS     |
| 1386         | 128    | 402         | 415                         | 746                         | 847                   | 442                      | 426                               | 415                    | 347             | 228               | 206         | 55            | 8/18            | f   | 4/51           | L1  | TO      |
| 1391         | 116    | 404         | 430                         | 765                         | 825                   | 440                      | 396                               | 380                    | 354             | 245               | 244         | 53            |                 | m   | 4/51           | L1  | TO      |
| 1397         |        | 387         | 422                         | 741                         | 814                   | 438                      | 393                               |                        | 383             | 227               | 241         | 53            |                 |     | 7/50           | L1  | BMS     |
| 1412         |        | 400         | 416                         | 759                         | 846                   | 462                      | 409                               | 397                    | 354             |                   |             | 54            |                 | m   | 4/51           | L1  | TO      |
| 1427         | 130    | 408         | 429                         | 756                         | 840                   | 450                      | 408                               | 403                    | 381             | 239               | 228         | 55            |                 | m   | 4/51           | L1  | TO      |
| 1430         | 132    | 403         | 431                         | 767                         | 852                   | 436                      | 424                               | 396                    | 347             | 216               | 211         | 56            |                 | m   | 4/51           | L1  | TO      |
| 1436         |        | 412         | 435                         | 781                         | 851                   | 459                      | 413                               | 416                    | 374             | 227               | 243         | 56            |                 | m   | 4/51           | L1  | TO      |
| 1447         |        | 404         | 440                         | 789                         | 850                   | 447                      | 410                               | 400                    | 374             | 233               | 233         | 53            |                 | m   | 4/51           | L1  | TO      |
| 1450         | 149    | 418         | 448                         | 786                         | 868                   | 468                      | 426                               | 428                    | 367             | 250               | 243         | 58            |                 | f   | 4/51           | L1  | TO      |
| 1457         |        | 420         | 443                         | 784                         | 863                   | 461                      | 416                               | 406                    | 365             | 257               | 257         | 58            |                 | m   | 4/51           | L1  | TO      |
| 1485         |        | 419         | 442                         | 794                         | 878                   | 464                      | 420                               | 416                    | 373             | 265               | 251         | 50            |                 | m   | 4/51           | L1  | TO      |
| 1486         |        | 422         | 446                         | 809                         | 891                   | 498                      | 413                               | 456                    | 359             | 246               | 245         | 60            |                 | m   | 4/51           | L1  | TO      |
| 1492         | 137    | 418         | 439                         | 796                         | 861                   | 465                      | 429                               | 440                    | 337             | 233               | 228         | 58            |                 | m   | 4/51           | L1  | TO      |
| 1503         |        | 423         | 441                         | 781                         | 889                   | 481                      | 433                               | 425                    | 362             | 247               | 246         | 55            |                 |     | 6/50           | L1  | BMS     |
| 1510         |        | 412         | 434                         | 796                         | 391                   | 457                      | 458                               | 417                    | 388             | 251               | 248         | 57            |                 | m   | 4/51           | L1  | TO      |
| 1526         |        | 428         | 443                         | 815                         | 910                   | 476                      | 444                               | 425                    | 371             | 245               | 243         | 53            |                 | m   | 4/51           | L1  | TO      |
| 1535         |        | 441         | 458                         | 813                         | 920                   | 471                      | 462                               | 417                    | 366             | 246               | 237         | 59            |                 | m   | 4/51           | L1  | TO      |
| 1547         | 175    | 430         | 469                         | 839                         | 919                   | 486                      | 456                               | 419                    | 362             | 242               | 249         | 54            |                 | m   | 4/51           | L1  | TO      |

Table 29. Bigeye from the Western Equatorial Pacific:  
Central Carolines (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Edge Vent | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Irl. | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|-----------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 1547         | 174    | 431         | 447                         | 823                         | 923                   | 474                      | 475                               | 442                    | 381             | 289               | 278         | 53            | 8/18            | m   | 4/51           | L1   | TO       |
| 1554         |        | 427         | 439                         | 838                         | 922                   | 473                      | 467                               | 416                    | 344             | 265               | 259         | 53            |                 | m   | 4/51           | L1   | TO       |
| 1565         | 165    | 435         | 453                         | 851                         | 927                   | 484                      | 464                               | 447                    | 375             | 272               | 264         | 55            |                 |     | 4/51           | L1   | TO       |
| 1578         |        | 444         | 473                         | 853                         | 922                   | 485                      | 455                               | 418                    | 369             | 269               | 254         | 57            |                 | m   | 4/51           | L1   | TO       |
| 1594         | 176    | 450         | 481                         | 863                         | 943                   | 508                      | 455                               | 449                    | 374             | 224               | 269         | 58            |                 | m   | 4/51           | L1   | TO       |
| 1597         |        | 457         | 468                         | 838                         | 979                   | 532                      | 457                               | 452                    | 378             | 266               | 231         | 56            |                 |     | 6/50           | L1   | BMS      |
| 1614         | 218    | 444         | 468                         | 840                         | 939                   | 504                      | 457                               | 438                    | 382             | 248               | 248         | 64            |                 | m   | 6/50           | L1   | BMS      |
| 1615         | 193    | 442         | 479                         | 868                         | 949                   | 488                      | 492                               | 472                    | 366             | 248               | 243         | 58            |                 | m   | 4/51           | L1   | TO       |
| 1617         |        | 449         | 465                         | 867                         | 963                   | 503                      | 463                               | 426                    | 359             | 252               | 242         | 55            |                 |     | 4/51           | L1   | TO       |

Table 30. Bigeye from the Western Equatorial Pacific:  
Western Carolines

|      |                  |     |     |     |     |     |     |     |     |     |     |    |       |   |      |    |     |
|------|------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-------|---|------|----|-----|
| 401  |                  | 115 | 127 | 225 | 258 | 129 |     | 104 | 116 | 36  | 39  | 20 | 8/18  | m | 5/48 |    | ORS |
| 407  |                  | 115 | 131 | 233 | 251 | 128 |     | 104 | 118 | 38  | 35  | 21 | 9/21  |   | 5/48 |    | ORS |
| 407  | 2                | 117 | 129 | 228 | 250 | 131 |     | 102 | 113 | 36  | 36  | 21 | 9/21  | m | 5/48 | Tr | ORS |
| 518  | 6                | 152 | 165 | 290 | 316 | 170 |     | 138 | 165 | 57  | 56  | 28 | 9/20  |   | 5/48 |    | ORS |
| 534  |                  | 154 | 166 | 297 | 324 | 170 |     | 133 | 161 | 62  | 65  | 28 | 10/19 | f | 5/48 |    | ORS |
| 549  |                  | 156 | 171 | 305 | 337 | 179 |     | 140 | 171 | 63  | 62  | 27 | 9/19  | m | 5/48 |    | ORS |
| 563  | 7                | 164 | 176 | 312 | 347 | 182 |     | 147 | 162 | 66  | 63  | 28 | 10/20 | f | 5/48 |    | ORS |
| 576  |                  | 182 | 201 | 330 | 364 | 199 | 162 | 155 | 239 | 72  | 69  | 32 |       | m | 3/51 | L1 | TO  |
| 666  | 11 $\frac{1}{2}$ | 180 | 204 | 359 | 391 | 209 |     | 173 | 203 | 84  | 62  | 30 | 9/20  | m | 5/48 | Tr | ORS |
| 673  | 12               | 190 | 206 | 370 | 403 | 206 |     | 173 | 210 | 86  | 92  | 31 | 10/20 | f | 5/48 | Tr | ORS |
| 681  |                  | 216 | 226 | 393 | 421 | 227 | 196 | 193 | 259 | 85  | 82  | 36 |       | f | 3/51 | L1 | TO  |
| 682  | 13               | 192 | 209 | 370 | 400 | 209 |     | 177 | 205 | 86  | 93  | 31 | 9/21  | f | 5/48 | Tr | ORS |
| 689  | 12               | 194 | 212 | 371 | 410 | 215 |     | 172 | 218 | 92  | 96  | 29 | 9/20  | m | 5/48 | Tr | ORS |
| 691  | 13 $\frac{1}{2}$ | 196 | 219 | 377 | 413 | 217 |     | 182 | 224 | 91  | 95  | 31 | 9/21  | m | 5/48 | Tr | ORS |
| 721  | 16               | 206 | 222 | 393 | 429 | 233 |     | 190 | 220 | 93  | 98  | 34 | 8/20  | f | 5/48 | Tr | ORS |
| 742  | 18               | 199 | 218 | 392 | 429 | 223 | 211 | 171 | 240 | 109 | 114 | 30 |       | f | 3/51 | L1 | TO  |
| 878  | 26               | 240 | 259 | 462 | 510 | 242 |     | 216 | 266 | 147 | 149 | 33 | 9/20  | m | 4/48 |    | ORS |
| 878  | 26 $\frac{1}{2}$ | 236 | 267 | 467 | 516 | 267 |     | 214 | 276 | 147 | 157 | 33 | 10/21 | m | 4/48 |    | ORS |
| 1165 | 80               | 348 | 375 | 643 | 709 | 385 | 331 | 325 | 358 | 126 | 175 | 52 |       | m | 3/51 | L1 | TO  |
| 1168 | 77               | 350 | 363 | 643 | 726 | 389 | 345 | 311 | 349 | 160 | 169 | 55 |       | f | 3/51 | L1 | TO  |



Table 30. Bigeye from the Western Equatorial Pacific:  
Western Carolines (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Anal | Anal to Vent | Greatest Body<br>Depth | Length Pectoral | Head and Dorsal | Height and | Diameter Fin | No. Gill Rakers | Sex | Month and Year | Code | Remarks |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|-------------------------|--------------|------------------------|-----------------|-----------------|------------|--------------|-----------------|-----|----------------|------|---------|
| 1201         | 85     | 353         | 363                         | 649                         | 729                   | 392                      | 351                     | 330          | 341                    | 179             | 188             | 54         |              |                 | P   | 3/51           | L1   | TO      |
| 1263         |        | 364         | 377                         | 690                         | 776                   | 412                      | 370                     | 350          | 347                    | 211             | 203             | 46         |              |                 |     | 3/51           | L1   | TO      |
| 1290         | 98     | 384         | 376                         | 697                         | 793                   | 454                      | 365                     | 361          | 348                    | 197             | 205             | 53         |              |                 |     | 12/50          |      | KE      |
| 1307         |        | 384         | 405                         | 713                         | 801                   | 439                      | 383                     | 377          | 337                    | 205             | 201             | 55         |              |                 |     | 12/50          |      | KE      |
| 1310         |        | 373         | 383                         | 691                         | 809                   | 461                      | 373                     | 336          | 362                    | 219             | 223             | 51         |              |                 |     | 12/50          |      | KE      |
| 1339         | 110    | 378         | 387                         | 718                         | 805                   | 426                      | 390                     | 372          | 355                    | 213             | 216             | 53         |              |                 |     | 12/50          |      | KE      |
| 1352         |        | 390         | 409                         | 726                         | 820                   | 450                      | 399                     | 398          | 361                    | 200             | 201             | 45         |              |                 |     | 3/51           | L1   | TO      |
| 1387         | 120    | 405         | 418                         | 742                         | 844                   | 449                      | 413                     | 396          | 354                    | 244             | 230             | 53         |              |                 |     | 12/50          |      | KE      |
| 1388         | 116    | 411         | 410                         | 753                         | 855                   | 462                      | 418                     | 379          | 340                    | 206             | 215             | 62         |              |                 |     | 12/50          |      | KE      |
| 1389         | 107    | 405         | 413                         | 758                         | 837                   | 463                      | 398                     | 383          | 347                    | 226             | 235             | 61         |              |                 |     | 12/50          |      | KE      |
| 1439         | 132    | 411         | 427                         | 776                         | 875                   | 456                      | 428                     | 387          | 379                    | 248             | 234             | 54         |              |                 |     | 12/50          |      | KE      |
| 1463         | 135    | 426         | 438                         | 783                         | 883                   | 495                      | 434                     | 425          | 370                    | 249             | 254             | 55         |              |                 |     | 12/50          |      | KE      |
| 1492         | 152    | 414         | 463                         | 817                         | 917                   | 472                      | 457                     | 411          | 363                    | 216             | 223             | 57         |              |                 |     | 3/51           | L1   | TO      |
| 1593         |        | 460         | 470                         | 866                         | 981                   | 545                      | 475                     | 453          | 381                    | 255             | 233             | 57         |              |                 |     | 12/50          |      | KE      |

Table 31. Bigeye from the North Central Pacific:  
Hawaiian Islands

|     |                  |     |     |     |     |     |     |     |     |    |    |    |       |   |  |      |    |     |
|-----|------------------|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|-------|---|--|------|----|-----|
| 356 | 1.9              | 102 | 113 | 203 | 228 | 119 | 110 | 97  | 87  | 32 | 27 | 20 | 10/20 |   |  | 2/52 | P1 | WMM |
| 485 | 5                | 140 | 155 | 272 | 300 | 162 |     | 131 | 136 | 61 | 54 | 25 |       |   |  | 4/49 | Tr | FCJ |
| 494 | 6                | 156 | 173 | 290 | 324 | 175 |     | 143 | 167 | 54 | 50 | 29 | 9/18  | m |  | 5/49 |    | FCJ |
| 500 | 6                | 156 | 173 | 293 | 326 | 180 |     | 151 | 178 | 46 | 45 | 29 | 8/19  | f |  | 3/49 | Tr | FCJ |
| 513 | 6.5              | 165 | 168 | 291 | 340 | 193 |     | 148 | 189 | 60 | 60 | 32 | 8/18  | f |  | 8/49 | P1 | HBE |
| 513 | 7                | 165 | 175 | 298 | 331 | 184 |     | 151 | 170 | 59 | 50 | 32 | 8/18  | m |  | 4/49 | P1 | KY  |
| 534 | 8                | 171 | 178 | 309 | 327 | 192 |     | 160 | 193 | 62 | 50 | 33 | 9/19  | m |  | 8/49 | P1 | HBE |
| 538 | 7 $\frac{1}{2}$  | 168 | 182 | 312 | 344 | 195 |     | 160 | 200 | 63 | 61 | 34 | 10/19 | m |  | 9/49 | P1 | HBE |
| 539 | 7                | 167 | 188 | 318 | 349 | 186 |     | 160 | 178 | 54 | 49 | 29 | 8/18  | m |  | 3/49 | Tr | FCJ |
| 542 | 8                | 171 | 187 | 317 | 344 | 192 |     | 157 | 202 | 64 | 60 | 29 | 10/19 | f |  | 8/49 | P1 | KY  |
| 553 | 8                | 175 | 183 | 321 | 359 | 205 |     | 167 | 205 | 65 | 61 | 32 | 9/19  | f |  | 8/49 | P1 | HBE |
| 564 | 8                | 175 | 189 | 325 | 367 | 202 |     | 165 | 218 | 52 | 51 | 30 | 8/18  | m |  | 3/49 | Tr | FCJ |
| 571 | 9.5              | 181 | 195 | 337 | 382 | 204 |     | 169 | 209 | 72 | 59 | 31 |       |   |  | 3/49 | Tr | FCJ |
| 580 | 9                | 184 | 201 | 341 | 372 | 206 |     | 165 | 205 | 65 | 58 | 33 | 8/18  | m |  | 5/49 |    | FCJ |
| 678 | 15 $\frac{1}{2}$ | 209 | 227 | 394 | 427 | 237 |     | 187 | 241 | 75 | 70 | 37 | 9/19  |   |  | 5/49 | P1 | HBE |

Table 31. Bigeye from the North Central Pacific:  
Hawaiian Islands (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Fige Vert | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Distance 2nd<br>Dorsal to Anal | N. Gill R. | Sex | Month and Year | Grade | Stratification |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|-----------------------------------|------------------------|-----------------|-------------------|-------------|--------------------------------|------------|-----|----------------|-------|----------------|
| 681          | 16     | 214         | 230                         | 393                         | 439                   | 243                      |                                   | 203                    | 256             | 87                | 85          | 30                             | 8/18       | f   | 8/49           | P1    | HBE            |
| 704          | 17     | 223         | 235                         | 390                         | 440                   | 244                      |                                   | 198                    | 276             | 91                | 83          | 37                             | 8/19       | f   | 8/49           | P1    | HBE            |
| 710          | 16     | 222         | 231                         | 401                         | 446                   | 250                      |                                   | 205                    | 267             | 90                | 84          | 36                             | 8/17       | f   | 8/49           | P1    | HBE            |
| 793          | 23     | 249         | 259                         | 446                         | 506                   | 276                      |                                   | 223                    | 327             | 109               | 100         | 39                             | 8/17       |     | 5/49           | L1    | FCJ            |
| 834          | 29     | 258         | 271                         | 476                         | 532                   | 292                      |                                   | 240                    | 320             | 106               | 104         | 39                             | 7/18       |     | 2/49           |       | FCJ            |
| 638          | 28     | 262         | 272                         | 472                         | 540                   | 303                      |                                   | 240                    | 329             | 101               | 92          | 39                             | 8/19       |     | 3/49           | L1    | FCJ            |
| 890          | 34     | 278         | 292                         | 505                         | 564                   | 315                      |                                   | 264                    | 339             | 118               | 109         | 42                             | 3/49       |     | 3/49           | Tr    | FCJ            |
| 907          | 34     | 280         | 294                         | 513                         | 569                   | 317                      |                                   | 269                    | 346             | 132               | 113         | 41                             | 10/18      | f   | 3/49           | Tr    | FCJ            |
| 921          | 41     | 284         | 303                         | 542                         | 585                   | 320                      |                                   | 265                    | 341             | 139               | 129         | 42                             | 8/18       |     | 11/49          | L1    | JWR            |
| 954          | 40     | 286         | 306                         | 532                         | 596                   | 325                      |                                   | 280                    | 345             | 133               | 142         | 41                             | 8/18       | m   | 8/49           | P1    | HBE            |
| 955          | 40     | 290         | 308                         | 544                         | 595                   | 320                      | 282                               | 277                    | 325             | 134               | 130         | 42                             | 8/18       | f   | 10/52          |       | TO             |
| 965          | 43     | 290         | 312                         | 530                         | 586                   | 329                      |                                   | 270                    | 305             | 127               | 135         | 43                             | 8/18       | m   | 5/49           | L1    | JWR            |
| 1017         | 54     | 302         | 323                         | 578                         | 632                   | 341                      | 303                               | 299                    | 385             | 156               | 155         | 44                             | 9/17       | m   | 10/52          |       | TO             |
| 1052         | 58     | 318         | 332                         | 582                         | 653                   | 361                      |                                   | 297                    | 350             | 164               | 160         | 45                             | 8/18       |     | 6/49           | L1    | KY             |
| 1076         | 61     | 325         | 314                         | 570                         | 672                   | 396                      |                                   | 300                    | 302             | 166               | 152         | 45                             | 8/18       |     | 10/49          | L1    | JWR            |
| 1115         | 64     | 335         | 337                         | 618                         | 691                   | 381                      |                                   | 309                    | 346             | 167               | 163         | 46                             | 8/18       |     | 2/49           | L1    | FCJ            |
| 1181         | 77     | 351         | 367                         | 644                         | 728                   | 398                      |                                   | 325                    | 344             | 172               | 171         | 48                             | 8/18       |     | 8/49           | L1    | HBE            |
| 1253         | 92     | 362         | 378                         | 680                         | 762                   | 426                      |                                   | 366                    | 346             | 192               | 197         | 49                             | 8/18       |     | 3/49           | L1    | FCJ            |
| 1256         | 92     | 374         | 388                         | 693                         | 780                   | 423                      |                                   | 353                    | 351             | 174               | 187         | 48                             |            |     | 3/49           | L1    | FCJ            |
| 1258         | 90     | 378         | 395                         | 690                         | 764                   | 423                      |                                   | 337                    | 362             | 190               | 175         | 49                             | 8/19       |     | 5/49           | L1    | FCJ            |
| 1263         | 97     | 365         | 372                         | 682                         | 760                   | 409                      |                                   | 365                    | 358             | 175               | 181         | 48                             | 8/18       | m   | 2/49           | L1    | FCJ            |
| 1269         | 99     | 371         | 391                         | 691                         | 789                   | 414                      |                                   | 346                    | 368             | 201               | 191         | 47                             |            |     | 3/49           | L1    | FCJ            |
| 1274         | 99     | 371         | 385                         | 680                         | 770                   | 425                      |                                   | 345                    | 337             | 190               | 189         | 47                             | 9/17       |     | 7/49           | L1    | KY             |
| 1274         | 103    | 369         | 391                         | 697                         | 786                   | 412                      |                                   | 348                    | 379             | 207               | 201         | 47                             | 9/19       |     | 5/49           | L1    | KY             |
| 1283         | 105    | 381         | 400                         | 710                         | 789                   | 425                      |                                   | 354                    | 348             | 208               | 192         | 49                             | 9/18       | f   | 4/49           | L1    | FCJ            |
| 1290         | 100    | 377         | 398                         | 699                         | 780                   | 423                      |                                   | 340                    | 362             | 206               | 203         | 49                             | 7/17       |     | 6/49           | L1    | KY             |
| 1291         | 98     | 378         | 386                         | 706                         | 810                   | 420                      |                                   | 322                    | 347             | 192               | 182         | 50                             | 8/19       |     | 3/49           | L1    | FCJ            |
| 1292         | 109    | 380         | 390                         | 711                         | 810                   | 437                      |                                   | 367                    | 351             | 208               | 202         | 49                             | 8/18       | f   | 5/49           | L1    | KY             |
| 1293         | 109    | 386         | 389                         | 709                         | 805                   | 430                      |                                   | 370                    | 357             | 197               | 190         | 49                             | 9/18       | m   | 4/49           | L1    | FCJ            |
| 1296         | 99     | 370         | 388                         | 704                         | 794                   | 424                      |                                   | 351                    | 387             | 195               | 195         | 49                             | 8/16       | f   | 5/49           | L1    | FCJ            |

Table 31. Bigeye from the North Central Pacific:  
Hawaiian Islands (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Edge Vent. | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|------------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 1297         | 101    | 373         | 388                         | 696                         | 794                   | 431                      |                                    | 351                    | 384             | 210               | 206         | 44            | 8/18            |     | 5/49           | L1   | FCJ      |
| 1298         | 110    | 383         | 398                         | 706                         | 809                   | 439                      |                                    | 362                    | 355             | 194               | 185         | 47            | 8/18            |     | 5/49           | L1   | FCJ      |
| 1302         | 105    | 392         | 401                         | 712                         | 804                   | 436                      |                                    | 363                    | 332             | 215               | 212         | 50            | 11/19           | f   | 7/49           | L1   | HBE      |
| 1306         | 109    | 379         | 402                         | 706                         | 785                   | 431                      |                                    | 385                    | 370             | 237               | 236         | 55            | 8/17            |     | 6/49           | L1   | KY       |
| 1310         | 91     | 385         | 405                         | 704                         | 821                   | 429                      |                                    | 362                    | 351             | 173               | 179         | 50            | 9/19            |     | 3/49           | L1   | FCJ      |
| 1311         | 115    | 381         | 396                         | 717                         | 802                   | 443                      | 395                                | 377                    | 362             | 213               | 200         | 47            | 8/18            | f   | 8/51           | L1   | III      |
| 1314         | 105    | 372         | 409                         | 714                         | 782                   | 423                      | 378                                | 385                    | 375             | 213               | 206         | 50            | 9/18            | m   | 10/52          |      | TO       |
| 1316         | 103    | 385         | 399                         | 707                         | 791                   | 430                      |                                    | 363                    | 377             | 190               | 196         | 48            | 8/19            |     | 5/49           | L1   | FCJ      |
| 1324         | 105    | 376         | 393                         | 716                         | 799                   | 419                      |                                    | 350                    | 364             | 204               | 191         | 48            | 8/18            |     | 5/49           | L1   | FCJ      |
| 1324         | 115    | 389         | 393                         | 721                         | 807                   | 436                      |                                    | 369                    | 358             | 201               | 209         | 50            | 8/17            |     | 7/49           | L1   | HBE      |
| 1329         | 107    | 380         | 409                         | 716                         | 794                   | 427                      |                                    | 346                    | 362             | 202               | 202         | 49            | 8/18            |     | 5/49           | L1   | KY       |
| 1332         | 108    | 390         | 425                         | 736                         | 815                   | 444                      |                                    | 361                    | 367             | 208               | 206         | 51            | 9/19            |     | 7/49           | L1   | HBE      |
| 1333         | 110    | 387         | 406                         | 719                         | 811                   | 440                      |                                    | 355                    | 348             | 214               | 207         | 48            | 9/19            | f   | 6/49           | L1   | KY       |
| 1333         | 121    | 388         | 399                         | 730                         | 821                   | 441                      |                                    | 393                    | 358             | 206               | 207         | 51            |                 |     | 4/49           | L1   | FCJ      |
| 1335         | 114    | 398         | 414                         | 727                         | 830                   | 434                      |                                    | 366                    | 388             | 204               | 213         | 51            | 11/19           | m   | 5/49           | L1   | HBE      |
| 1336         | 113    | 382         | 394                         | 718                         | 802                   | 425                      |                                    | 361                    | 349             | 212               | 204         | 49            | 8/18            |     | 6/49           | L1   | KY       |
| 1336         | 114    | 384         | 400                         | 715                         | 806                   | 429                      |                                    | 344                    | 356             | 220               | 215         | 50            | 8/18            |     | 7/49           | L1   | HBE      |
| 1339         | 107    | 394         | 408                         | 730                         | 820                   | 446                      |                                    | 355                    | 355             | 205               | 196         |               | 9/20            |     | 5/49           | L1   | KY       |
| 1341         | 116    | 392         | 404                         | 738                         | 813                   | 438                      |                                    | 366                    | 344             | 179               | 201         | 48            | 9/18            |     | 3/49           | L1   | FCJ      |
| 1343         | 116    | 384         | 399                         | 727                         | 810                   | 437                      |                                    | 369                    | 369             | 201               | 217         | 52            | 9/18            | f   | 4/49           | L1   | FCJ      |
| 1343         | 116    | 385         | 410                         | 722                         | 822                   | 427                      |                                    | 362                    | 378             | 204               | 202         | 49            |                 |     | 5/49           | L1   | HBE      |
| 1345         | 120    | 394         | 420                         | 738                         | 805                   | 427                      | 403                                | 404                    | 343             | 240               | 225         | 47            |                 | m   | 10/52          |      | TO       |
| 1347         | 104    | 394         | 416                         | 726                         | 813                   | 440                      |                                    | 356                    | 358             | 220               | 218         | 50            | 8/18            |     | 6/49           | L1   | HBE      |
| 1352         | 119    | 394         | 413                         | 740                         | 819                   | 436                      | 402                                | 395                    | 373             | 218               | 176         | 49            | 9/18            | m   | 10/52          |      | TO       |
| 1353         | 124    | 393         | 416                         | 732                         | 828                   | 451                      |                                    | 393                    | 372             | 214               | 214         | 52            | 9/18            |     | 6/49           | L1   | KY       |
| 1355         | 116    | 381         | 415                         | 726                         | 810                   | 423                      |                                    | 362                    | 378             | 200               | 219         | 52            | 8/17            |     | 7/49           | L1   | HBE      |
| 1355         | 118    | 389         | 422                         | 740                         | 818                   | 427                      |                                    | 385                    | 350             | 207               | 203         | 50            | 9/19            |     | 7/49           | L1   | HBE      |
| 1356         | 124    | 396         | 417                         | 743                         | 829                   | 444                      |                                    | 389                    | 369             |                   | 213         | 50            | 9/18            |     | 4/49           | L1   | FCJ      |
| 1356         | 127    | 390         | 426                         | 740                         | 811                   | 437                      |                                    | 396                    | 367             | 200               | 207         | 50            | 9/19            | m   | 4/49           | L1   | KY       |
| 1372         | 118    | 383         | 399                         | 721                         | 827                   | 438                      |                                    | 365                    | 345             | 204               | 212         | 50            |                 |     | 5/49           | L1   | KY       |

Table 31 Bigeye from the North Central Pacific  
Hawaiian Islands (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Edge Ventr. | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Irl | W. Gill Raker | Sex | Mouth and Gape | Gear | Remarks |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|-------------------------------------|------------------------|-----------------|-------------------|-------------|--------------|---------------|-----|----------------|------|---------|
| 1375         | 110    | 401         | 418                         | 746                         | 845                   | 447                      |                                     | 366                    | 744             | 200               | 194         | 49           | 8/18          |     | 5/49           | L1   | FCJ     |
| 1376         | 114    | 389         | 416                         | 736                         | 816                   | 439                      |                                     | 365                    | 674             | 233               | 226         | 52           | 8/18          |     | 7/49           | L1   | HBE     |
| 1381         | 129    | 394         | 419                         | 751                         | 834                   | 443                      |                                     | 386                    | 372             | 226               | 215         | 49           | 9/17          |     | 6/49           | L1   | KY      |
| 1387         | 122    | 400         | 414                         | 742                         | 841                   | 455                      |                                     | 362                    | 356             | 215               | 208         | 51           | 8/19          |     | 7/49           | L1   | HBE     |
| 1389         | 120    | 406         | 422                         | 753                         | 835                   | 472                      |                                     | 394                    | 387             | 214               | 202         | 51           |               |     | 5/49           | L1   | KY      |
| 1393         | 125    | 391         | 412                         | 732                         | 823                   | 443                      |                                     | 364                    | 385             | 229               | 226         | 51           | 8/17          |     | 6/49           | L1   | KY      |
| 1397         | 130    | 410         | 408                         | 741                         | 847                   | 489                      | 397                                 | 391                    | 361             | 221               | 229         | 52           |               | f   | 8/51           | L1   | III     |
| 1400         | 127    | 400         | 425                         | 762                         | 844                   | 448                      |                                     | 377                    | 369             | 226               | 214         | 52           |               |     | 4/49           | L1   | FCJ     |
| 1413         | 121    | 408         | 424                         | 758                         | 852                   | 456                      |                                     | 365                    | 362             | 229               | 232         | 54           | 8/18          |     | 6/49           | L1   | KY      |
| 1416         | 123    | 410         | 432                         | 755                         | 831                   | 457                      |                                     | 399                    | 367             | 213               | 202         | 43           | 9/19          | m   | 6/49           | L1   | KY      |
| 1417         | 131    | 400         | 428                         | 758                         | 839                   | 449                      |                                     | 376                    | 380             | 237               | 226         | 50           | 9/18          |     | 7/49           | L1   | HBE     |
| 1429         | 139    | 411         | 430                         | 770                         | 867                   | 453                      |                                     | 388                    | 371             | 239               | 232         | 54           | 8/18          |     | 6/49           | L1   | HBE     |
| 1433         | 138    | 406         | 439                         | 780                         | 871                   | 461                      |                                     | 407                    | 372             | 235               | 223         | 51           | 8/18          |     | 6/49           | L1   | KY      |
| 1436         | 139    | 420         | 428                         | 756                         | 865                   | 469                      |                                     | 383                    | 352             | 235               | 232         | 59           | 8/18          |     | 7/49           | L1   | HBE     |
| 1447         | 147    | 423         | 433                         | 776                         | 871                   | 481                      |                                     | 387                    | 380             | 222               | 223         | 52           | 8/18          |     | 7/49           | L1   | HBE     |
| 1448         | 139    | 400         | 424                         | 772                         | 867                   | 450                      |                                     | 387                    | 364             | 207               | 221         | 52           | 9/18          | f   | 3/49           | L1   | FCJ     |
| 1449         | 133    | 421         | 432                         | 791                         | 876                   | 484                      |                                     | 403                    | 387             | 220               | 221         | 55           | 9/18          |     | 4/49           | L1   | FCJ     |
| 1450         | 140    | 419         | 436                         | 776                         | 866                   | 482                      |                                     | 373                    | 375             | 246               | 233         | 52           | 9/18          |     | 7/49           | L1   | HBE     |
| 1450         | 141    | 413         | 431                         | 780                         | 861                   | 463                      |                                     | 387                    | 366             | 228               | 247         | 50           | 8/18          |     | 5/49           | L1   | KY      |
| 1452         | 144    | 412         | 436                         | 776                         | 874                   | 468                      |                                     | 372                    | 381             | 222               | 228         | 53           | 8/18          | f   | 7/49           | L1   | KY      |
| 1455         | 143    | 423         | 433                         | 782                         | 878                   | 490                      |                                     | 414                    | 380             | 237               | 237         | 53           | 8/21          | m   | 4/49           | L1   | KY      |
| 1455         | 149    | 441         | 444                         | 780                         | 869                   | 468                      |                                     | 397                    | 367             | 225               | 219         | 53           | 8/18          |     | 7/49           | L1   | KY      |
| 1455         | 157    | 426         | 439                         | 787                         | 868                   | 480                      |                                     | 396                    | 405             | 261               | 258         | 55           | 9/18          |     | 7/49           | L1   | HBE     |
| 1458         | 149    | 416         | 430                         | 789                         | 880                   | 465                      |                                     | 393                    | 351             | 228               | 255         | 59           | 9/18          |     | 5/49           | L1   | KY      |
| 1469         | 145    | 430         | 451                         | 797                         | 879                   | 483                      |                                     | 386                    | 361             | 245               | 231         | 50           | 9/18          | f   | 7/49           | L1   | HBE     |
| 1471         | 159    | 437         | 447                         | 795                         | 873                   | 483                      |                                     | 409                    | 358             | 250               | 236         | 58           | 8/18          | m   | 7/49           | L1   | HBE     |
| 1475         | 145    | 420         | 452                         | 800                         | 882                   | 483                      |                                     | 391                    | 377             | 227               | 245         | 51           | 9/18          | m   | 7/49           | L1   | KY      |
| 1476         | 163    | 422         | 426                         | 779                         | 874                   | 475                      |                                     |                        | 381             | 226               | 220         | 54           |               | m   | 5/49           | L1   | HBE     |
| 1478         | 139    | 426         | 432                         | 790                         | 882                   | 495                      |                                     | 394                    | 378             | 236               | 238         | 51           | 8/18          |     | 6/49           | L1   | KY      |
| 1487         | 143    | 426         | 437                         | 800                         | 900                   | 479                      |                                     | 379                    | 385             | 229               | 226         | 52           | 9/17          |     | 4/49           | L1   | FCJ     |

Table 31. Bigeye from the North Central Pacific:  
Hawaiian Islands (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Edge Vent. | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|------------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 1487         | 160    | 422         | 455                         | 793                         | 896                   | 477                      |                                    | 420                    | 367             | 209               | 207         | 55            | 8/18            | m   | 3/49           | L1   | FCJ      |
| 1490         | 149    | 424         | 444                         | 802                         | 914                   | 486                      |                                    | 412                    | 365             | 219               | 232         | 55            | 9/19            |     | 5/49           | L1   | KY       |
| 1490         | 150    | 420         | 438                         | 790                         | 899                   | 479                      |                                    | 400                    | 393             | 236               | 222         | 53            | 9/19            |     | 5/49           | L1   | KY       |
| 1491         | 142    | 421         | 440                         | 783                         | 881                   | 466                      |                                    | 372                    | 371             | 241               | 216         | 50            | 9/19            |     | 5/49           | L1   | HBE      |
| 1506         | 155    | 437         | 460                         | 825                         | 915                   | 483                      |                                    | 395                    | 353             | 225               | 237         | 55            | 9/18            | m   | 4/49           | L1   | FCJ      |
| 1506         | 157    | 443         | 456                         | 799                         | 910                   | 484                      |                                    | 370                    | 361             | 250               | 245         | 57            | 8/19            |     | 6/49           | L1   | HBE      |
| 1506         | 164    | 424         | 451                         | 792                         | 886                   | 474                      |                                    | 418                    | 370             | 239               | 246         | 53            | 9/18            | f   | 5/49           | L1   | KY       |
| 1508         | 157    | 440         | 462                         | 814                         | 903                   | 494                      |                                    | 389                    | 375             | 228               | 228         | 51            | 7/18            | f   | 6/49           | L1   | KY       |
| 1509         | 154    | 429         | 451                         | 820                         | 919                   | 487                      |                                    | 391                    | 372             | 248               | 239         | 54            | 9/19            |     | 5/49           | L1   | HBE      |
| 1514         | 172    | 428         | 456                         | 809                         | 922                   | 481                      |                                    | 426                    | 370             | 237               | 234         | 55            | 9/18            | m   | 5/49           | L1   | HBE      |
| 1518         | 165    | 438         | 446                         | 800                         | 917                   | 496                      |                                    | 427                    | 381             | 248               | 241         | 55            | 8/18            |     | 7/49           | L1   | HBE      |
| 1521         | 162    | 429         | 451                         | 819                         | 911                   | 487                      |                                    | 401                    | 370             | 231               | 232         | 58            | 8/18            |     | 7/49           | L1   | HBE      |
| 1527         | 173    | 440         | 450                         | 826                         | 917                   | 490                      |                                    | 425                    | 365             | 245               | 235         | 54            | 9/18            |     | 4/49           | L1   | FCJ      |
| 1533         | 181    | 443         | 463                         | 816                         | 919                   | 486                      |                                    | 442                    | 356             | 232               | 246         | 53            | 8/19            |     | 7/49           | L1   | HBE      |
| 1537         | 173    | 424         | 455                         | 817                         | 901                   | 480                      |                                    | 400                    | 394             | 249               | 241         | 56            | 9/18            |     | 7/49           | L1   | KY       |
| 1538         | 146    | 432         | 459                         | 815                         | 913                   | 491                      |                                    | 395                    | 393             | 255               | 255         | 58            | 9/18            |     | 6/49           | L1   | HBE      |
| 1540         | 171    | 429         | 450                         | 817                         | 919                   | 482                      |                                    | 435                    | 370             | 239               | 239         | 53            |                 |     | 4/49           | L1   | FCJ      |
| 1543         | 176    | 448         | 463                         | 835                         | 926                   | 507                      |                                    | 435                    | 403             | 261               | 270         | 55            | 8/18            |     | 6/49           | L1   | HBE      |
| 1544         | 160    | 433         | 470                         | 837                         | 909                   | 479                      | 446                                | 417                    | 386             | 225               | 223         | 53            | 9/18            | f   | 10/52          | L1   | TO       |
| 1547         | 184    | 451         | 468                         | 818                         | 938                   | 493                      |                                    | 445                    | 388             | 267               | 262         | 55            |                 | f   | 5/49           | L1   | HBE      |
| 1548         | 176    | 439         | 476                         | 829                         | 935                   | 484                      |                                    | 428                    | 390             | 260               | 256         | 55            | 8/19            | m   | 5/49           | L1   | KY       |
| 1550         | 155    | 436         | 441                         | 823                         | 919                   | 506                      |                                    | 413                    | 395             |                   | 227         | 54            | 7/17            |     | 7/49           | L1   | HBE      |
| 1550         | 162    | 439         | 449                         | 817                         | 912                   | 491                      |                                    | 411                    | 385             | 250               | 253         | 57            | 8/20            |     | 5/49           | L1   | KY       |
| 1551         | 168    | 447         | 466                         | 836                         | 936                   | 502                      |                                    | 414                    | 382             | 256               | 265         | 56            | 9/19            |     | 6/49           | L1   | KY       |
| 1551         | 170    | 433         | 471                         | 821                         | 937                   | 503                      |                                    | 412                    | 382             | 250               | 202         | 54            | 8/18            |     | 6/49           | L1   | KY       |
| 1551         | 171    | 450         | 463                         | 837                         | 953                   | 520                      |                                    | 406                    | 403             | 239               | 231         | 50            | 9/18            |     | 4/49           | L1   | KY       |
| 1554         | 168    | 439         | 458                         | 826                         | 925                   | 489                      |                                    | 404                    | 393             | 239               | 244         | 54            | 10/19           | m   | 5/49           | L1   | HBE      |
| 1558         | 218    | 440         | 478                         | 844                         | 930                   | 490                      | 465                                | 470                    | 375             | 240               | 236         | 57            | 8/19            | f   | 10/52          | L1   | III      |
| 1559         | 173    | 444         | 471                         | 852                         | 926                   | 491                      |                                    | 412                    | 395             | 247               | 246         | 53            | 8/18            |     | 6/49           | L1   | HBE      |
| 1566         | 202    | 440         | 457                         | 820                         | 935                   | 488                      |                                    | 453                    | 371             | 257               | 253         | 59            | 8/18            | f   | 7/49           | L1   | HBE      |

Table 31. Bigeye from the North Central Pacific:  
Hawaiian Islands (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Edge Mouth<br>Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex   | Month and Year | Gear | Examining |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|--|-----------------|-------------------|-------------|---------------|-----------------|-------|----------------|------|-----------|
| 1572         | 194    | 471         | 479                         | 855                         | 961                   | 519                      |  | 442             | 381               | 257         | 244           | 61              | 8/18  | 5/49           | L1   | FCJ       |
| 1576         | 168    | 439         | 451                         | 816                         | 923                   | 489                      |  | 428             | 388               | 266         | 249           | 56              | 9/17  | 5/49           | L1   | KY        |
| 1576         | 197    | 459         | 470                         | 837                         | 939                   | 527                      | 452  | 446             | 373               | 276         | 253           | 57              |       | 8/51           | L1   | III       |
| 1581         | 200    | 440         | 465                         | 839                         | 949                   | 495                      |  | 445             | 378               | 217         | 236           | 54              |       | 4/49           | L1   | KY        |
| 1582         | 175    | 441         | 467                         | 839                         | 934                   | 503                      | 475  | 445             | 377               | 276         | 283           | 54              | 8/18  | 7/50           | Tr   | KY        |
| 1584         | 176    | 445         | 477                         | 827                         | 923                   | 509                      |  | 451             | 374               | 254         | 247           | 57              | 9/18  | 7/49           | L1   | HBE       |
| 1585         | 194    | 444         | 485                         | 865                         | 984                   | 497                      |  | 427             | 380               | 217         | 222           | 60              | 9/18  | 3/49           | L1   | FCJ       |
| 1586         | 178    | 460         | 478                         | 843                         | 953                   | 530                      |  | 454             | 375               | 229         | 236           | 57              | 9/18  | 5/49           | L1   | HBE       |
| 1588         | 199    | 462         | 481                         | 849                         | 972                   | 516                      |  | 427             | 392               | 234         | 244           | 58              | 8/17  | 6/49           | L1   | HBE       |
| 1590         | 176    | 447         | 474                         | 850                         | 938                   | 498                      |  | 411             | 366               | 248         | 267           | 57              | 10/20 | 6/49           | L1   | KY        |
| 1590         | 181    | 439         | 460                         | 825                         | 938                   | 492                      |  | 417             | 399               | 265         | 264           | 55              | 10/18 | 5/49           | L1   | KY        |
| 1601         | 179    | 460         | 479                         | 855                         | 948                   | 505                      |  | 457             | 345               | 259         | 246           | 59              | 8/17  | 7/49           | L1   | HBE       |
| 1603         | 179    | 466         | 475                         | 867                         | 956                   | 508                      |  | 413             | 383               | 250         | 250           | 54              | 9/19  | 5/49           | L1   | KY        |
| 1605         | 200    | 440         | 461                         | 849                         | 941                   | 500                      |  | 448             | 372               | 257         | 255           | 53              |       | 4/49           | L1   | KY        |
| 1607         | 195    | 459         | 486                         | 866                         | 956                   | 505                      |  | 417             | 396               | 258         | 263           | 58              | 9/19  | 7/49           | L1   | HBE       |
| 1611         | 195    | 472         | 510                         | 884                         | 970                   | 528                      |  | 436             | 387               | 228         | 239           | 68              |       | 2/49           | L1   | FCJ       |
| 1611         | 200    | 473         | 460                         | 857                         | 962                   | 535                      | 479  | 478             | 382               | 264         | 272           | 56              |       | 8/51           | L1   | III       |
| 1612         | 189    | 454         | 470                         | 872                         | 978                   | 503                      |  | 418             | 375               | 253         | 256           | 59              | 9/18  | 6/49           | L1   | FCJ       |
| 1618         | 191    | 447         | 476                         | 873                         | 963                   | 506                      |  | 453             | 394               | 232         | 224           | 54              | 9/18  | 4/49           | L1   | KY        |
| 1619         | 191    | 452         | 484                         | 864                         | 971                   | 509                      |  | 405             | 383               | 245         | 241           | 57              | 9/18  | 6/49           | L1   | KY        |
| 1621         | 209    | 463         | 490                         | 881                         | 967                   | 513                      |  | 443             | 381               | 262         | 244           | 60              | 7/19  | 3/49           | L1   | FCJ       |
| 1622         | 197    | 460         | 483                         | 870                         | 972                   | 514                      |  | 425             | 395               | 247         | 225           | 58              | 8/19  | 3/49           | L1   | FCJ       |
| 1623         | 173    | 463         | 460                         | 851                         | 959                   | 515                      |  | 420             | 405               | 250         | 240           | 54              | 9/18  | 6/49           | L1   | FCJ       |
| 1624         | 223    | 464         | 485                         | 900                         | 970                   | 522                      | 474  | 489             | 372               | 249         | 260           | 56              | 9/18  | 10/52          | L1   | TO        |
| 1629         | 191    | 462         | 481                         | 864                         | 967                   | 517                      |  | 420             | 373               | 280         | 280           | 57              | 8/18  | 5/49           | L1   | KY        |
| 1630         | 183    | 450         | 481                         | 877                         | 969                   | 509                      |  | 416             | 369               | 269         | 254           | 56              | 9/17  | 5/49           | L1   | FCJ       |
| 1636         | 208    | 485         | 504                         | 890                         | 993                   | 539                      |  | 426             | 372               | 258         | 251           | 57              | 9/20  | 6/49           | L1   | KY        |
| 1637         | 185    | 455         | 482                         | 870                         | 959                   | 502                      |  | 430             | 387               | 239         | 235           | 56              | 9/18  | 5/49           | L1   | HBE       |
| 1644         | 208    | 453         | 483                         | 861                         | 966                   | 499                      |  | 429             | 405               | 259         | 245           | 56              | 9/19  | 5/49           | L1   | KY        |
| 1646         | 203    | 454         | 497                         | 863                         | 974                   | 501                      |  | 421             | 362               | 245         | 265           | 55              | 8/19  | 6/49           | L1   | KY        |

Table 31. Bigeye from the North Central Pacific:  
Hawaiian Islands (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Edge Vent | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|-----------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 1654         | 202    | 472         | 497                         | 867                         | 958                   | 521                      |                                   | 437                    | 371             | 279               | 273         | 56            | 8/18            |     | 7/49           | L1   | KY       |
| 1655         | 225    | 462         | 498                         | 895                         | 980                   | 509                      | 489                               | 476                    | 372             | 241               | 229         | 57            | 9/18            | f   | 10/52          |      | TO       |
| 1655         | 232    | 482         | 507                         | 889                         | 1015                  | 530                      |                                   | 444                    | 398             | 275               | 271         | 60            | 8/18            |     | 6/49           | L1   | KY       |
| 1656         | 215    | 481         | 494                         | 873                         | 993                   | 529                      | 498                               | 475                    | 412             | 284               | 283         | 55            | 8/18            | m   | 8/51           | L1   | III      |
| 1663         | 222    | 476         | 502                         | 893                         | 993                   | 545                      |                                   | 462                    | 416             | 296               | 276         | 57            | 8/18            |     | 7/49           | L1   | HBE      |
| 1664         | 195    | 449         | 464                         | 863                         | 978                   | 513                      |                                   | 434                    | 396             | 259               | 260         | 56            |                 |     | 5/49           | L1   | KY       |
| 1664         | 216    | 475         | 485                         | 881                         | 1000                  | 532                      |                                   | 424                    | 387             | 252               | 263         | 57            | 8/18            | f   | 7/49           | L1   | HBE      |
| 1665         | 202    | 470         | 510                         | 884                         | 999                   | 526                      |                                   | 427                    | 380             | 271               | 261         | 62            | 9/18            | m   | 5/49           |      | KY       |
| 1665         | 224    | 469         | 506                         | 878                         | 968                   | 523                      |                                   | 464                    | 385             | 220               | 232         | 52            |                 |     | 4/49           | L1   | KY       |
| 1667         | 222    | 474         | 486                         | 875                         | 987                   | 532                      |                                   | 448                    | 387             | 273               | 201         | 60            | 8/19            |     | 7/49           | L1   | HBE      |
| 1673         | 200    | 493         | 484                         | 890                         | 1001                  | 554                      | 475                               | 458                    | 389             | 301               | 295         | 56            |                 | m   | 8/51           | L1   | III      |
| 1675         | 222    | 478         | 507                         | 906                         | 1017                  | 539                      |                                   | 463                    | 416             | 279               | 237         | 59            | 8/18            | m   | 7/49           | L1   | KY       |
| 1679         | 198    | 475         | 487                         | 875                         | 1006                  | 539                      |                                   | 427                    | 383             | 254               | 332         | 57            | 7/19            | m   | 5/49           | L1   | FCJ      |
| 1684         | 229    | 477         | 512                         | 888                         | 985                   | 523                      |                                   | 451                    | 414             | 286               | 291         | 58            | 8/18            |     | 7/49           | L1   | KY       |
| 1688         | 230    | 492         | 517                         | 928                         | 1019                  | 541                      |                                   | 459                    | 397             | 246               | 257         | 61            | 9/18            |     | 4/49           | L1   | FCJ      |
| 1693         | 241    | 484         | 508                         | 901                         | 1012                  | 545                      |                                   | 464                    | 405             | 277               | 283         | 56            | 9/19            |     | 6/49           | L1   | KY       |
| 1693         | 245    | 477         | 508                         | 912                         | 1010                  | 542                      |                                   | 470                    | 412             | 281               | 269         | 57            | 9/19            |     | 3/49           | L1   | FCJ      |
| 1695         | 224    | 482         | 499                         | 908                         | 1010                  | 535                      |                                   |                        | 383             | 249               | 249         | 55            | 8/18            |     | 7/49           | L1   | HBE      |
| 1696         | 223    | 480         | 495                         | 908                         | 1003                  | 531                      |                                   | 458                    | 400             | 270               | 268         | 59            | 8/18            |     | 7/49           | L1   | HBE      |
| 1698         | 211    | 466         | 485                         | 873                         | 987                   | 515                      |                                   | 439                    | 390             | 258               | 244         | 59            | 9/19            |     | 6/49           | L1   | KY       |
| 1699         | 220    | 476         | 494                         | 892                         | 991                   | 523                      |                                   | 456                    | 410             | 258               | 275         | 53            | 8/18            |     | 7/49           | L1   | HBE      |
| 1701         | 239    | 485         | 506                         | 901                         | 1022                  | 542                      |                                   | 463                    | 403             | 276               | 256         | 55            | 8/18            |     | 6/49           | L1   | KY       |
| 1702         | 214    | 489         | 502                         | 879                         | 1022                  | 554                      |                                   | 455                    | 384             | 274               | 266         | 59            | 8/18            |     | 6/49           | L1   | KY       |
| 1704         | 238    | 480         | 496                         | 922                         | 1019                  | 530                      | 503                               | 462                    | 363             | 262               | 242         | 53            | 9/21            | f   | 8/51           | L1   | III      |
| 1705         | 239    | 479         | 506                         | 908                         | 1018                  | 542                      |                                   | 497                    | 391             | 241               | 241         | 57            |                 |     | 3/49           | L1   | FCJ      |
| 1707         | 200    | 474         | 495                         | 897                         | 1005                  | 538                      |                                   | 446                    | 401             | 269               | 258         | 59            | 7/19            | f   | 6/49           | L1   | KY       |
| 1707         | 221    | 476         | 479                         | 876                         | 1011                  | 539                      |                                   | 456                    | 386             | 310               | 282         | 57            | 8/18            |     | 6/49           | L1   | KY       |
| 1708         | 203    | 479         | 495                         | 874                         | 992                   | 541                      |                                   | 449                    | 405             | 262               | 258         | 60            | 8/18            | m   | 7/49           | L1   | HBE      |
| 1710         | 220    | 470         | 496                         | 886                         | 993                   | 532                      |                                   | 461                    | 412             | 283               | 267         | 56            | 10/18           |     | 7/49           | L1   | KY       |
| 1711         | 223    | 492         | 503                         | 901                         | 1030                  | 547                      |                                   | 464                    | 385             | 265               | 257         | 63            |                 |     | 5/49           | L1   | HBE      |

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Table 31. Bigeye from the North Central Pacific:  
Hawaiian Islands (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Edge Vent. | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|------------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 1713         | 220    | 467         | 473                         | 894                         | 1013                  | 524                      |                                    | 458                    | 388             | 242               | 240         | 58            | 8/19            |     | 6/49           | L1   | HBE      |
| 1713         | 241    | 483         | 514                         | 929                         | 1020                  | 528                      |                                    | 452                    | 387             | 288               | 255         | 57            | 9/18            |     | 7/49           | L1   | KY       |
| 1714         | 229    | 486         | 489                         | 893                         | 1005                  | 548                      |                                    | 477                    | 382             | 272               | 268         | 60            | 7/18            |     | 7/49           | L1   | JWR      |
| 1715         | 239    | 492         | 503                         | 895                         | 1013                  | 571                      |                                    | 505                    | 414             | 284               | 272         | 57            | 8/19            | m   | 7/49           | L1   | HBE      |
| 1718         | 230    | 481         | 497                         | 877                         | 1013                  | 545                      |                                    | 437                    | 374             | 260               | 258         | 57            | 8/19            |     | 7/49           | L1   | HBE      |
| 1718         | 260    | 485         | 496                         | 901                         | 1005                  | 539                      | 492                                | 498                    | 390             | 261               | 262         | 56            | 9/18            | m   | 10/52          |      | TO       |
| 1722         | 230    | 482         | 511                         | 903                         | 1012                  | 542                      |                                    | 457                    | 384             | 251               | 272         | 60            | 9/19            |     | 7/49           | L1   | HBE      |
| 1724         | 240    | 503         | 519                         | 912                         | 1039                  | 561                      |                                    | 483                    | 368             | 295               | 283         | 63            | 9/19            | m   | 5/49           |      | KY       |
| 1726         | 216    | 482         | 514                         | 902                         | 1007                  | 547                      |                                    | 458                    | 392             | 274               | 267         | 56            | 10/18           |     | 7/49           | L1   | HBE      |
| 1729         | 240    | 498         | 503                         | 926                         | 1030                  | 570                      | 502                                | 495                    | 400             | 281               | 276         | 57            |                 | m   | 8/51           | L1   | III      |
| 1730         | 239    | 477         | 500                         | 913                         | 995                   | 530                      |                                    | 475                    | 390             | 255               | 262         | 56            | 8/18            | m   | 6/49           | L1   | KY       |
| 1732         | 209    | 456         | 470                         | 871                         | 998                   | 522                      |                                    | 425                    | 395             | 261               | 258         | 55            | 9/18            |     | 5/49           | L1   | KY       |
| 1732         | 232    | 472         | 501                         | 917                         | 1008                  | 518                      | 512                                | 499                    | 406             | 257               | 249         | 57            | 9/18            | m   | 10/52          |      | TO       |
| 1734         | 233    | 479         | 493                         | 913                         | 1024                  | 536                      |                                    | 466                    | 382             | 281               | 268         | 61            | 9/18            | m   | 6/49           | L1   | KY       |
| 1735         | 216    | 502         | 517                         | 910                         | 1020                  | 566                      |                                    | 460                    | 398             | 280               | 269         | 55            | 9/18            | m   | 7/49           | L1   | KY       |
| 1737         | 231    | 485         | 512                         | 928                         | 1023                  | 541                      |                                    | 466                    | 384             | 277               | 268         | 56            | 8/19            |     | 7/49           | L1   | HBE      |
| 1738         | 241    | 489         | 508                         | 914                         | 1040                  | 543                      |                                    | 440                    | 420             | 291               | 252         | 61            | 9/19            |     | 5/49           | L1   | KY       |
| 1740         | 216    | 471         | 498                         | 894                         | 1000                  | 533                      |                                    | 450                    | 383             | 258               | 258         | 57            | 8/19            | m   | 6/49           | L1   | KY       |
| 1742         | 234    | 475         | 503                         | 909                         | 1019                  | 544                      |                                    | 465                    | 409             | 294               | 294         | 57            | 8/18            | m   | 6/49           | L1   | KY       |
| 1743         | 220    | 471         | 508                         | 916                         | 1020                  | 532                      |                                    | 468                    | 406             | 304               | 301         | 58            |                 |     | 5/49           |      | KY       |
| 1743         | 270    | 502         | 500                         | 917                         | 1015                  | 571                      | 468                                | 491                    | 402             | 259               | 245         | 49            | 9/21            | m   | 8/51           | L1   | III      |
| 1746         | 252    | 504         | 500                         | 932                         | 1059                  | 547                      |                                    | 466                    | 408             | 266               | 257         | 63            | 10/18           | m   | 4/49           | L1   | FCJ      |
| 1747         | 253    | 499         | 516                         | 926                         | 1063                  | 560                      |                                    | 471                    | 394             | 278               | 276         | 64            | 10/19           |     | 6/49           | L1   | KY       |
| 1748         | 230    | 478         | 488                         | 895                         | 1020                  | 532                      |                                    | 455                    | 386             | 275               | 273         | 59            | 8/18            |     | 7/49           | L1   | KY       |
| 1749         | 256    | 503         | 504                         | 924                         | 1049                  | 565                      |                                    | 475                    | 397             | 286               | 288         | 61            | 9/19            | m   | 6/49           | L1   | KY       |
| 1752         | 235    | 421         | 512                         | 921                         | 1061                  | 539                      |                                    | 459                    | 378             | 273               | 276         | 58            | 7/18            |     | 6/49           | L1   | HBE      |
| 1755         | 245    | 502         | 510                         | 919                         | 1036                  | 557                      | 508                                | 463                    | 377             | 277               | 264         | 62            | 9/18            | m   | 8/51           | L1   | III      |
| 1757         | 230    | 502         | 509                         | 925                         | 1045                  | 564                      |                                    | 443                    | 378             | 267               | 268         | 60            |                 |     | 6/49           | L1   | HBE      |
| 1758         | 222    | 497         | 517                         | 918                         | 1025                  | 560                      |                                    | 470                    | 368             | 280               | 273         | 61            | 9/19            | m   | 6/49           | L1   | KY       |
| 1759         | 234    | 487         | 506                         | 908                         | 1020                  | 548                      |                                    | 464                    | 406             | 295               | 283         | 62            | 9/19            | f   | 5/49           | L1   | KY       |

Table 31. Bigeye from the North Central Pacific:  
Hawaiian Islands (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Edge Vent. | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | EXAMINER |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|------------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 1765         | 251    | 508         | 541                         | 938                         | 1051                  | 570                      |                                    | 504                    | 382             | 290               | 283         | 65            | 9/18            | m   | 4/49           | L1   | FCJ      |
| 1767         | 235    | 497         | 518                         | 939                         | 1042                  | 562                      |                                    | 440                    | 397             | 249               | 249         | 57            | 8/19            | m   | 6/49           | L1   | HBE      |
| 1768         | 241    | 500         | 516                         | 920                         | 1037                  | 559                      |                                    | 463                    | 398             | 290               | 299         | 60            | 8/19            |     | 6/49           | L1   | HBE      |
| 1770         | 254    | 500         | 524                         | 930                         | 1048                  | 562                      |                                    | 463                    | 389             | 267               | 273         | 63            | 9/18            | m   | 6/49           | L1   | KY       |
| 1773         | 265    | 495         | 517                         | 920                         | 1032                  | 547                      |                                    | 457                    | 399             | 281               | 309         | 57            | 8/18            |     | 6/49           | L1   | KY       |
| 1775         | 253    | 504         | 529                         | 953                         | 1064                  | 555                      |                                    | 466                    | 371             | 254               |             | 58            | 8/19            |     | 6/49           | L1   | KY       |
| 1791         | 261    | 517         | 532                         | 910                         | 1066                  | 568                      |                                    | 489                    | 425             | 310               | 309         | 62            | 8/17            | m   | 7/49           | L1   | HBE      |
| 1795         | 261    | 500         | 518                         | 932                         | 1035                  | 560                      |                                    | 490                    | 402             | 283               | 287         | 62            | 8/19            | m   | 7/49           | L1   | HBE      |
| 1800         | 276    | 515         | 536                         | 957                         | 1062                  | 571                      |                                    | 517                    | 409             | 284               | 285         | 62            | 9/18            | m   | 8/49           | L1   | HBE      |
| 1801         | 229    | 497         | 505                         | 911                         | 1032                  | 560                      |                                    | 446                    | 391             | 261               | 270         | 57            | 8/19            |     | 7/49           | L1   | KY       |
| 1801         | 321    | 509         | 547                         | 967                         | 1093                  | 574                      |                                    | 500                    | 440             | 302               | 302         | 57            | 8/19            |     | 10/49          | L1   | JWR      |
| 1806         | 271    | 503         | 527                         | 936                         | 1054                  | 566                      |                                    | 509                    | 402             | 282               | 276         | 61            | 8/19            | m   | 8/49           | L1   | HBE      |
| 1807         | 270    | 503         | 516                         | 931                         | 1050                  | 561                      |                                    | 479                    | 412             | 305               | 298         | 60            | 9/19            |     | 8/49           | L1   | HBE      |
| 1812         | 257    | 500         | 510                         | 939                         | 1046                  | 555                      |                                    | 485                    | 403             | 283               | 291         | 60            | 8/18            | m   | 7/49           | L1   | KY       |
| 1813         | 253    | 517         | 512                         | 945                         | 1073                  | 589                      |                                    | 503                    | 408             | 307               | 285         | 61            | 9/18            |     | 7/49           | L1   | HBE      |
| 1814         | 264    | 499         | 541                         | 956                         | 1054                  | 559                      |                                    | 471                    | 408             | 279               | 273         | 65            | 9/18            |     | 7/49           | L1   | HBE      |
| 1818         | 267    | 510         | 524                         | 949                         | 1081                  | 565                      |                                    | 484                    | 396             | 269               | 271         | 62            | 8/18            | f   | 6/49           | L1   | KY       |
| 1833         | 294    | 515         | 542                         | 980                         | 1090                  | 566                      |                                    | 509                    | 388             | 282               | 274         | 59            | 9/18            | m   | 8/49           | L1   | HBE      |
| 1837         | 267    | 511         | 547                         | 956                         | 1069                  | 561                      |                                    | 463                    | 406             | 315               | 300         | 58            | 9/18            |     | 5/49           | L1   | HBE      |
| 1842         | 332    | 507         | 541                         | 949                         | 1060                  | 561                      |                                    | 544                    | 414             | 295               | 305         | 63            | 8/17            | m   | 10/49          | L1   | KY       |
| 1843         | 255    | 511         | 521                         | 957                         | 1093                  | 570                      |                                    | 464                    | 391             | 281               | 262         | 60            | 9/19            | f   | 5/49           | L1   | KY       |
| 1850         | 292    | 522         | 536                         | 974                         | 1084                  | 571                      |                                    | 535                    | 393             | 293               | 283         | 61            | 8/17            | m   | 9/49           | L1   | HBE      |
| 1880         | 274    | 520         | 546                         | 988                         | 1090                  | 575                      |                                    | 499                    | 406             | 301               | 292         | 61            | 9/18            |     | 5/49           | L1   | KY       |
| 1883         | 309    | 525         | 542                         | 982                         | 1107                  | 588                      |                                    | 517                    | 398             | 302               | 279         | 60            | 9/18            | m   | 9/49           | L1   | HBE      |
| 1891         | 300    | 534         | 555                         | 985                         | 1119                  | 595                      |                                    | 534                    | 408             | 294               | 299         | 66            | 8/18            | m   | 9/49           | L1   | HBE      |
| 1947         | 335    | 550         | 550                         | 992                         | 1135                  | 625                      | 556                                | 558                    | 421             | 308               | 285         | 59            | 8/18            | m   | 8/51           | L1   | III      |

Table 32. Bigeye from the Northwestern Pacific: Japan

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Edge Vent | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|-----------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 520          | 2.7    | 166         | 175                         | 296                         | 331                   | 182                      |                                   | 150                    | 180             | 65                | 57          | 22            | 9/20            |     | 5/49           | P1   | BMS      |
| 523          | 2.6    | 165         | 173                         | 303                         | 337                   | 183                      |                                   | 149                    | 197             | 65                | 57          | 32            | 9/20            |     | 5/49           | P1   | BMS      |
| 531          | 2.7    | 167         | 179                         | 305                         | 338                   | 186                      |                                   | 151                    | 216             | 64                | 59          | 31            | 9/18            |     | 5/49           | P1   | BMS      |
| 545          | 3.0    | 173         | 181                         | 319                         | 351                   | 190                      |                                   | 152                    | 201             | 63                | 58          | 33            | 9/19            |     | 5/49           | P1   | BMS      |
| 719          | 16     | 223         | 232                         | 417                         | 471                   | 255                      |                                   | 198                    | 255             | 80                | 71          | 35            |                 |     | 2/49           | L1   | FCC      |
| 1491         |        | 424         | 441                         | 809                         | 896                   | 477                      |                                   | 421                    | 364             | 202               | 215         | 56            |                 |     | 1/49           | L1   | FCC      |

Table 33. Albacore from the Eastern Equatorial Pacific:  
120° West Longitude

|     |    |     |     |     |     |     |     |     |     |     |     |    |      |   |       |    |     |
|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|------|---|-------|----|-----|
| 969 | 47 | 286 | 321 | 572 | 619 | 325 | 304 | 257 | 430 | 127 | 123 | 47 | 7/20 | f | 10/52 | L1 | TSH |
|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|------|---|-------|----|-----|

Table 34. Albacore from the Central Equatorial Pacific:  
140° West Longitude

|     |    |     |     |     |     |     |     |     |     |     |     |    |  |   |      |    |    |
|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|--|---|------|----|----|
| 921 | 38 | 267 | 281 | 526 | 580 | 303 | 293 | 250 | 400 | 110 | 109 | 44 |  | f | 8/52 | L1 | RS |
|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|--|---|------|----|----|

Table 35. Albacore from the Central Equatorial Pacific:  
Eastern Line Islands

|      |    |     |     |     |     |     |     |     |     |     |     |    |      |   |       |    |     |
|------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|------|---|-------|----|-----|
| 917  | 39 | 267 | 304 | 542 | 593 | 310 | 289 | 236 | 415 | 124 | 119 | 46 |      | f | 9/51  | L1 | TC  |
| 944  | 41 | 276 | 301 | 546 | 597 | 313 | 291 | 237 | 406 | 116 | 110 | 46 | 9/20 | f | 11/52 | L1 | III |
| 954  | 41 | 280 | 316 | 566 | 603 | 318 | 286 | 243 | 409 | 105 | 105 | 51 | 9/20 | f | 2/52  | L1 |     |
| 961  |    | 284 | 313 | 565 | 615 | 317 | 300 | 252 | 420 | 114 | 116 | 50 | 9/21 | m | 2/52  | L1 |     |
| 961  | 43 | 275 | 312 | 560 | 604 | 307 | 295 | 247 | 434 | 121 | 118 | 49 | 8/20 | f | 2/52  | L1 |     |
| 979  | 43 | 290 | 311 | 563 | 615 | 332 | 296 | 258 | 428 | 124 | 119 | 49 |      | f | 9/51  | L1 | III |
| 979  | 47 | 283 | 320 | 563 | 622 | 236 | 300 | 259 | 424 | 120 | 115 | 45 |      | m | 9/51  | L1 | III |
| 992  | 48 | 280 | 309 | 560 | 619 | 335 | 299 | 252 | 421 | 128 | 123 | 46 |      | m | 9/51  | L1 | III |
| 993  | 49 | 290 | 336 | 590 | 631 | 327 | 305 | 267 | 452 | 125 | 131 | 46 | 9/20 | m | 2/52  | L1 |     |
| 1004 | 48 | 294 | 329 | 594 | 628 | 327 | 307 | 262 | 433 | 117 | 113 | 58 | 8/19 | m | 2/52  | L1 |     |
| 1041 | 51 | 307 | 327 | 589 | 656 | 361 | 314 | 272 | 437 | 135 | 126 | 48 |      | m | 9/51  | L1 | III |
| 1042 | 51 | 304 | 333 | 599 | 650 | 351 | 314 | 267 | 427 | 133 | 126 | 48 |      | m | 9/51  | L1 | TC  |

Table 36. Albacore from the Central Equatorial Pacific:  
Phoenix Islands

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Edge Vent | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iri | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|-----------------------------------|------------------------|-----------------|-------------------|-------------|--------------|-----------------|-----|----------------|------|----------|
| 892          | 35     | 265         | 288                         | 518                         | 562                   | 291                      | 276                               | 233                    | 381             | 107               | 104         | 43           | 8/20            | f   | 3/52           | L1   | TO       |
| 894          | 37     | 262         | 296                         | 517                         | 563                   | 297                      | 270                               | 232                    | 415             | 111               | 105         | 44           | 8/20            | f   | 11/52          | L1   | III      |
| 903          | 34     | 271         | 293                         | 524                         | 577                   | 299                      | 282                               | 235                    | 396             | 115               | 113         | 45           | 8/21            | f   | 3/52           | L1   | TO       |
| 905          | 35     | 267         | 290                         | 529                         | 571                   | 306                      | 273                               | 234                    | 394             | 102               | 101         | 43           | 7/19            | f   | 3/52           | L1   | RS       |
| 906          | 37½    | 258         | 293                         | 534                         | 579                   | 295                      | 290                               | 247                    | 396             | 104               | 103         | 42           | 9/20            | f   | 3/52           | L1   | RS       |
| 907          | 34½    | 266         | 299                         | 526                         | 566                   | 296                      | 271                               | 232                    | 408             | 115               | 115         | 45           | 9/20            | f   | 3/52           | L1   | TO       |
| 911          | 38     | 269         | 298                         | 532                         | 577                   | 303                      | 280                               | 246                    | 404             | 115               | 113         | 46           | 8/19            | f   | 3/52           | L1   | RS       |
| 912          | 35     | 269         | 296                         | 525                         | 572                   | 302                      | 274                               | 240                    | 403             | 107               | 106         | 43           | 8/20            | f   | 11/52          |      | TO       |
| 919          | 35½    | 268         | 299                         | 540                         | 586                   | 301                      | 288                               | 238                    | 383             | 103               | 107         | 45           | 9/21            | f   | 3/52           | L1   | TO       |
| 925          | 37     | 265         | 294                         | 534                         | 573                   | 299                      | 279                               | 250                    | 382             | 112               | 109         | 46           | 8/20            | f   | 3/52           | L1   | TO       |
| 933          | 38     | 269         | 302                         | 539                         | 584                   | 301                      | 286                               | 242                    | 395             | 114               | 116         | 45           | 8/20            | f   | 11/52          |      | TO       |
| 935          | 40     | 281         | 311                         | 546                         | 591                   | 319                      | 279                               | 252                    | 421             | 105               | 108         | 48           | 9/21            | f   | 3/52           | L1   | RS       |
| 942          | 38     | 265         | 305                         | 549                         | 591                   | 305                      | 291                               | 245                    | 428             | 114               | 109         | 44           | 8/19            | m   | 3/52           | L1   | TO       |
| 948          | 40     | 277         | 311                         | 560                         | 605                   | 314                      | 292                               | 243                    | 431             | 121               | 120         | 48           | 9/21            | f   | 11/52          | L1   | TO       |
| 952          | 38½    | 275         | 302                         | 548                         | 597                   | 313                      | 291                               | 242                    | 412             | 114               | 108         | 46           | 9/21            | f   | 3/52           | L1   | TO       |
| 963          | 39     | 284         | 302                         | 553                         | 601                   | 312                      | 293                               | 244                    | 431             | 120               | 116         | 48           | 8/19            | m   | 11/52          | L1   | III      |
| 967          | 42½    | 286         | 313                         | 557                         | 611                   | 316                      | 299                               | 254                    | 440             | 126               | 123         | 44           | 9/20            | m   | 3/52           | L1   |          |
| 994          | 46     | 291         | 317                         | 569                         | 620                   | 329                      | 297                               | 250                    | 418             | 122               | 122         | 47           | 8/20            | m   | 11/52          |      | TO       |
| 1012         | 45     | 293         | 326                         | 588                         | 633                   | 328                      | 311                               | 259                    | 450             | 126               | 125         | 46           | 9/20            | m   | 3/52           |      | RS       |
| 1040         | 44     | 329         | 597                         | 645                         | 340                   |                          | 312                               | 275                    | 432             | 127               | 126         | 49           | 9/22            | m   | 3/52           | L1   | RS       |

Table 37. Albacore from the Western Equatorial Pacific:  
Eastern Marshalls

|     |    |     |     |     |     |     |     |     |     |     |     |    |      |   |      |    |     |
|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|------|---|------|----|-----|
| 829 | 25 | 241 | 267 | 487 | 524 | 271 | 255 | 200 | 390 | 99  | 98  | 42 | 9/21 | m | 2/52 | L1 | GIM |
| 840 | 27 | 249 | 282 | 485 | 528 | 278 | 257 | 217 | 368 | 100 | 98  | 41 | 9/20 | m | 2/52 |    | RS  |
| 848 | 30 | 252 | 285 | 496 | 538 | 284 | 260 | 227 | 401 | 107 | 108 | 42 | 9/19 | f | 2/52 | L1 | RS  |
| 855 |    | 257 | 287 | 504 | 545 | 286 | 259 | 229 | 389 | 100 | 100 | 42 | 9/20 | f | 2/52 | L1 | TO  |
| 862 | 30 | 254 | 284 | 498 | 544 | 292 | 258 | 228 | 391 | 105 | 101 | 43 | 9/20 | f | 2/52 | L1 | TO  |

Table 37. Albacore from the Western Equatorial Pacific:  
Eastern Marshalls (Continued)

| Total Length | Weight           | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Edge Vent. | Greatest Body<br>Depth | Length Petoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gen | Examiner |
|--------------|------------------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|------------------------------------|------------------------|----------------|-------------------|-------------|---------------|-----------------|-----|----------------|-----|----------|
| 863          |                  | 254         | 277                         | 509                         | 543                   | 290                      | 258                                | 219                    | 393            | 109               | 104         | 44            | 8/20            | f   | 2/52           | L1  | TO       |
| 874          | 33               | 262         | 290                         | 522                         | 559                   | 300                      | 264                                | 230                    | 404            | 111               | 112         | 42            | 8/21            | f   | 2/52           | L1  | RS       |
| 878          | 32 $\frac{1}{2}$ | 262         | 293                         | 516                         | 558                   | 291                      | 272                                | 231                    | 425            | 107               | 106         | 43            | 9/20            | f   | 2/52           | L1  | RS       |
| 886          |                  | 258         |                             | 524                         | 558                   | 289                      | 270                                | 228                    | 400            | 106               | 106         | 43            | 9/21            | m   | 2/52           | L1  | TO       |
| 886          | 33               | 265         | 299                         | 524                         | 565                   | 297                      | 269                                |                        | 412            | 106               | 105         | 43            | 9/21            | f   | 2/52           | L1  | RS       |
| 892          | 34               | 258         | 293                         | 516                         | 556                   | 289                      | 273                                | 229                    | 402            | 110               | 106         | 44            | 9/19            | f   | 2/52           | L1  | RS       |
| 892          | 38               | 266         | 299                         | 528                         | 563                   | 295                      | 273                                | 244                    | 381            | 108               | 108         | 45            | 9/21            | f   | 2/52           | L1  | TO       |
| 895          | 34               | 264         | 292                         | 531                         | 568                   | 300                      | 268                                | 236                    | 412            | 111               | 107         | 43            | 9/20            | m   | 2/52           | L1  | RS       |
| 895          | 34               | 268         | 303                         | 532                         | 572                   | 301                      | 275                                | 232                    | 374            | 104               | 102         | 46            | 10/20           | f   | 2/52           |     |          |
| 899          | 34               | 265         | 296                         | 526                         | 565                   | 298                      | 267                                | 224                    | 418            | 112               | 109         | 43            | 8/19            | m   | 2/52           |     |          |
| 899          | 35               | 265         | 297                         | 534                         | 573                   | 300                      | 276                                | 243                    | 425            | 110               | 104         | 44            | 8/20            | f   | 2/52           | L1  | RS       |
| 900          | 35               | 262         | 294                         | 527                         | 569                   | 295                      | 272                                | 237                    | 404            | 106               | 103         | 45            | 8/20            | f   | 2/52           | L1  | RS       |
| 901          | 34               | 261         | 291                         | 523                         | 567                   | 292                      | 274                                | 231                    | 424            | 111               | 111         | 45            | 9/21            | f   | 2/52           | L1  | GIM      |
| 903          |                  | 264         | 297                         | 529                         |                       | 300                      | 283                                | 238                    | 425            | 114               |             | 44            |                 | f   | 2/52           | L1  | RS       |
| 904          | 37               | 263         | 298                         | 530                         | 566                   | 293                      | 278                                | 247                    | 413            | 116               | 116         | 45            | 9/21            | f   | 2/52           | L1  | TO       |
| 906          | 35               | 269         | 302                         | 526                         | 571                   | 301                      | 272                                | 241                    | 415            | 116               | 117         | 45            | 9/20            | f   | 2/52           |     | RS       |
| 906          | 35               | 270         | 300                         | 531                         | 576                   | 302                      | 277                                | 235                    | 428            | 117               | 115         | 46            | 8/19            | f   | 2/52           |     | RS       |
| 910          |                  | 265         | 302                         | 539                         | 579                   | 299                      | 281                                | 239                    | 416            | 113               | 112         | 46            | 10/20           | f   | 2/52           | L1  | RS       |
| 910          |                  | 266         | 301                         | 529                         | 571                   | 298                      | 274                                | 234                    | 399            | 104               | 100         | 44            | 8/21            | f   | 2/52           | L1  | RS       |
| 914          | 35               | 273         | 301                         | 538                         | 584                   | 305                      | 276                                | 238                    | 408            | 117               | 111         | 43            | 9/20            | m   | 2/52           | L1  | RS       |
| 921          | 39               | 272         | 299                         | 532                         | 584                   | 297                      | 292                                | 239                    | 423            | 119               | 117         | 45            | 8/20            | f   | 2/52           | L1  | TO       |
| 922          | 37               | 267         | 302                         | 542                         | 581                   | 306                      | 273                                | 245                    | 408            | 113               | 109         | 42            | 10/20           | m   | 2/52           | L1  | RS       |
| 922          | 38               | 272         | 303                         | 537                         | 580                   | 316                      | 264                                | 239                    | 423            | 109               | 110         | 47            | 9/20            | f   | 2/52           | L1  | RS       |
| 934          | 40               | 275         | 309                         | 555                         | 595                   | 314                      | 278                                | 247                    | 449            | 125               | 123         | 43            | 10/20           | m   | 2/52           |     | RS       |
| 955          | 42               | 280         | 304                         | 554                         | 604                   | 316                      | 293                                | 250                    | 405            | 119               | 117         | 46            | 8/20            | m   | 2/52           | L1  | TO       |
| 977          | 45               | 285         | 318                         | 577                         | 626                   | 319                      | 309                                | 248                    | 412            | 116               | 113         | 44            | 9/20            | m   | 2/52           | L1  | TO       |
| 982          | 44               | 290         | 312                         | 573                         | 621                   | 327                      | 282                                | 249                    | 413            | 125               | 127         | 48            | 9/21            | m   | 2/52           |     | GIM      |
| 985          | 46               | 287         | 322                         | 577                         | 624                   | 323                      | 304                                | 258                    | 412            | 126               | 120         | 49            | 9/20            | m   | 2/52           |     | GIM      |
| 987          | 50               | 290         | 326                         | 583                         | 632                   | 327                      | 308                                | 263                    | 428            | 126               | 123         | 48            | 8/20            | m   | 2/52           | L1  | RS       |
| 1002         | 46               | 296         | 324                         | 582                         | 632                   | 334                      | 302                                | 259                    | 428            | 129               | 123         | 47            | 10/20           | m   | 2/52           | L1  | RS       |

Table 37 Albacore from the Western Equatorial Pacific:  
Eastern Marshalls (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Edge Vent. | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|------------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 1002         | 48     | 292         | 324                         | 590                         | 632                   | 327                      | 307                                | 253                    | 405             | 111               | 117         | 46            | 10/20           | m   | 2/52           | L1   | RS       |
| 1011         | 52     | 294         | 325                         | 596                         | 636                   | 338                      | 303                                | 265                    | 478             | 123               | 131         | 45            | 9/20            | m   | 2/52           | L1   | RS       |
| 1025         | 50     | 293         | 331                         | 600                         | 638                   | 332                      | 313                                | 266                    | 430             | 124               | 118         | 25            | 9/20            | m   | 2/52           | L1   | RS       |
| 1027         | 49     | 293         | 327                         | 585                         | 643                   | 337                      | 310                                | 272                    | 456             | 139               | 133         | 47            | 8/20            | m   | 2/52           |      | RS       |

Table 38. Albacore from the Western Equatorial Pacific:  
Western Marshalls

|      |                  |     |     |     |     |     |     |     |     |     |     |    |      |   |      |    |     |
|------|------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|------|---|------|----|-----|
| 843  | 27 $\frac{1}{2}$ | 249 | 288 | 500 | 536 | 279 | 260 | 213 | 386 | 105 | 96  | 41 | 8/21 | f | 9/51 | L1 | WVC |
| 944  | 39 $\frac{3}{4}$ | 279 | 308 | 543 | 595 | 311 | 290 | 247 | 434 | 118 | 112 | 42 | 8/19 | m | 8/51 | L1 | WVC |
| 957  |                  | 272 | 311 | 553 | 600 | 301 | 299 | 245 | 439 | 120 | 112 | 44 |      |   | 2/51 |    | KE  |
| 963  | 41               | 277 | 320 | 561 | 606 | 304 | 302 | 242 | 396 | 119 | 115 | 46 | 8/19 | f | 7/51 | L1 | WVC |
| 1032 |                  | 297 | 341 | 603 | 654 | 328 | 327 | 268 | 447 | 135 | 131 | 46 | 9/20 | m | 7/51 | L1 | WVC |
| 1053 | 57 $\frac{1}{2}$ | 303 | 350 | 613 | 667 | 341 | 331 | 283 | 452 | 138 | 134 | 46 | 8/20 | m | 9/51 | L1 | WVC |
| 1077 | 56 $\frac{3}{4}$ | 311 | 344 | 612 | 669 | 343 | 328 | 275 | 443 | 141 | 134 | 50 | 9/21 | m | 7/51 | L1 | WVC |
| 1078 | 55 $\frac{1}{4}$ | 306 | 348 | 615 | 674 | 336 | 343 | 279 | 473 | 150 | 147 | 47 | 9/21 | m | 7/51 | L1 | WVC |
| 1081 | 56 $\frac{1}{2}$ | 305 | 350 | 617 | 675 | 350 | 328 | 277 | 473 | 149 | 142 | 45 | 9/19 | m | 9/51 | L1 | WVC |
| 1086 |                  | 307 | 336 | 615 | 685 | 355 | 333 | 278 | 433 | 140 | 141 | 46 |      |   | 2/51 |    | KE  |
| 1094 | 61               | 321 | 361 | 631 | 680 | 359 | 324 | 283 | 474 | 146 | 145 | 46 | 9/19 | m | 9/51 | L1 | WVC |
| 1099 | 60 $\frac{3}{4}$ | 320 | 359 | 625 | 682 | 348 | 339 | 282 | 458 | 158 | 143 | 48 | 8/20 | m | 8/51 | L1 | WVC |
| 1122 | 64 $\frac{1}{4}$ | 324 | 365 | 644 | 699 | 362 | 344 | 298 | 472 | 147 | 145 | 47 | 9/20 | m | 8/51 | L1 | WVC |

Table 39. Albacore from the Western Equatorial Pacific:  
Eastern Carolines

|     |  |     |     |     |     |     |     |     |     |     |     |    |      |  |      |    |     |
|-----|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|------|--|------|----|-----|
| 825 |  | 238 | 277 | 479 | 517 | 271 | 256 | 213 | 352 | 105 | 102 | 39 |      |  | 8/50 | L1 | BMS |
| 848 |  | 249 | 275 | 489 | 532 | 279 | 261 | 210 | 371 | 113 | 109 | 39 | 9/22 |  | 8/50 | L1 | BMS |
| 869 |  | 257 | 281 | 499 | 549 | 286 | 273 | 219 | 402 | 117 | 112 | 41 |      |  | 8/50 | L1 | BMS |
| 871 |  | 254 | 284 | 509 | 550 | 291 | 272 | 216 | 399 | 112 | 109 | 41 |      |  | 8/50 | L1 | BMS |
| 874 |  | 254 | 290 | 504 | 553 | 287 | 273 | 224 | 397 | 116 | 112 | 41 | 8/21 |  | 8/50 | L1 | BMS |

Table 39. Albacore from the Western Equatorial Pacific:  
Eastern Carolines (Continued)

| Total Length | Weight           | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Edge Vent | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|------------------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|-----------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 877          | 32               | 252         | 285                         | 509                         | 554                   | 282                      | 278                               | 231                    | 392             | 115               | 110         | 41            | 8/20            | m   | 6/51           | L1   | WCV      |
| 878          |                  | 250         | 283                         | 500                         | 537                   | 284                      | 260                               | 221                    | 403             | 113               | 106         | 39            | 8/19            |     | 8/50           | L1   | BMS      |
| 881          |                  | 254         | 278                         | 510                         | 556                   | 288                      | 278                               | 224                    | 377             | 109               | 111         | 40            |                 |     | 8/50           | L1   | BMS      |
| 883          |                  | 255         | 283                         | 510                         | 555                   | 287                      | 272                               | 214                    | 418             | 110               | 107         | 42            | 8/21            |     | 8/50           | L1   | BMS      |
| 886          | 32 $\frac{1}{4}$ | 256         | 293                         | 527                         | 571                   | 284                      | 283                               | 225                    | 390             | 112               | 106         | 41            | 9/21            | f   | 9/51           | L1   | WCV      |
| 889          | 32 $\frac{3}{4}$ | 259         | 300                         | 516                         | 563                   | 291                      | 276                               | 233                    | 428             | 120               | 119         | 43            |                 | m   | 2/51           |      | KE       |
| 894          |                  | 267         | 301                         | 525                         | 576                   | 296                      | 283                               | 224                    | 412             | 114               | 111         | 42            | 9/20            |     | 9/51           | L1   | WCV      |
| 895          |                  | 265         | 301                         | 527                         | 570                   | 299                      | 274                               | 225                    | 429             | 124               | 155         | 45            |                 |     | 2/51           |      | KE       |
| 901          |                  | 281         | 308                         | 560                         | 605                   | 318                      | 292                               | 248                    | 453             | 131               | 125         | 41            |                 |     | 8/50           | L1   | BMS      |
| 904          | 35               | 270         | 305                         | 533                         | 571                   | 299                      | 276                               | 243                    | 419             | 121               | 115         | 45            | 8/19            | f   | 8/50           | L1   | BMS      |
| 905          |                  | 262         | 295                         | 518                         | 576                   | 296                      | 293                               | 233                    | 405             | 112               | 110         | 42            | 8/20            |     | 4/51           | L1   | TO       |
| 913          |                  | 266         | 300                         | 533                         | 575                   | 297                      | 280                               | 235                    | 426             | 124               | 120         | 42            | 8/21            |     | 6/51           | L1   | WCV      |
| 920          |                  | 271         | 289                         | 526                         | 585                   | 295                      | 289                               | 254                    | 401             | 120               | 105         | 45            |                 |     | 2/51           |      | KE       |
| 920          |                  | 271         | 295                         | 529                         | 582                   | 303                      | 283                               | 248                    | 411             | 124               | 121         | 46            |                 | m   | 2/51           |      | KE       |
| 924          |                  | 266         | 300                         | 531                         | 583                   | 300                      | 292                               | 234                    | 410             | 123               | 120         | 40            |                 |     | 7/50           | L1   | BMS      |
| 926          |                  | 275         | 305                         | 531                         | 592                   | 297                      | 297                               | 246                    | 419             | 119               | 112         | 46            |                 |     | 2/51           |      | KE       |
| 930          |                  | 269         | 300                         | 529                         | 587                   | 306                      | 294                               | 230                    | 467             | 125               | 124         |               |                 |     | 7/50           | L1   | BMS      |
| 931          |                  | 266         | 297                         | 527                         | 585                   | 301                      | 290                               | 230                    | 383             | 111               | 110         | 41            |                 | m   | 7/50           | L1   | BMS      |
| 931          |                  | 276         | 310                         | 552                         | 591                   | 305                      | 297                               | 241                    | 416             | 121               | 113         | 43            |                 |     | 2/51           |      | KE       |
| 933          |                  | 263         | 296                         | 536                         | 587                   | 297                      | 296                               | 231                    | 403             | 115               | 109         | 41            |                 |     | 8/50           | L1   | BMS      |
| 934          |                  | 273         | 301                         | 535                         | 581                   | 310                      | 276                               | 250                    | 418             | 118               |             | 42            | 10/20           |     | 8/50           | L1   | BMS      |
| 937          |                  | 279         | 311                         | 552                         | 599                   | 308                      | 298                               | 253                    | 418             | 125               | 127         | 47            |                 | m   | 2/51           |      | KE       |
| 946          |                  | 272         | 301                         | 527                         | 588                   | 302                      | 288                               |                        | 427             | 120               | 114         | 42            |                 |     | 8/50           | L1   | BMS      |
| 949          |                  | 274         | 307                         | 541                         | 597                   | 313                      | 295                               | 238                    | 410             | 117               | 120         | 42            |                 |     | 8/50           | L1   | BMS      |
| 951          |                  | 283         | 314                         | 553                         | 595                   | 313                      | 281                               | 249                    | 415             | 128               | 123         | 46            |                 |     | 2/51           |      | KE       |
| 952          |                  | 278         | 314                         | 550                         | 599                   | 320                      | 290                               | 247                    | 427             | 125               | 122         | 43            |                 | m   | 8/50           | L1   | BMS      |
| 953          |                  | 275         | 312                         | 554                         | 598                   | 312                      | 297                               | 251                    | 414             | 129               | 123         | 47            | 9/20            |     | 8/50           | L1   | BMS      |
| 955          |                  | 273         | 305                         | 541                         | 594                   | 308                      | 294                               | 248                    | 424             | 119               | 116         | 45            |                 |     | 2/51           |      | KE       |
| 955          |                  | 276         | 309                         | 549                         | 594                   | 315                      | 288                               | 237                    | 434             | 127               | 122         | 43            | 9/20            |     | 8/50           | L1   | BMS      |

Table 39 Albacore from the Western Equatorial Pacific:  
Eastern Carolines (Continued)

| Total Length | Weight           | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Edge Vent. | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers    | Sex | Month and Year | Gear | Examiner |
|--------------|------------------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|------------------------------------|------------------------|-----------------|-------------------|-------------|---------------|--------------------|-----|----------------|------|----------|
| 956          |                  | 278         | 307                         | 545                         | 592                   | 311                      | 288                                | 243                    | 417             | 124               | 124         | 46            | 8 $\frac{1}{2}$ 20 |     | 8/50           | L1   | BMS      |
| 957          |                  | 274         | 310                         | 556                         | 603                   | 312                      | 299                                | 241                    | 417             | 126               | 118         | 45            |                    |     | 2/51           |      | KE       |
| 958          |                  | 276         | 301                         | 545                         | 604                   | 308                      | 313                                | 256                    | 416             | 131               | 135         | 44            |                    |     | 8/50           | L1   | BMS      |
| 959          |                  | 277         | 310                         | 566                         | 602                   | 310                      | 294                                | 249                    | 409             | 121               | 122         | 43            | 8 $\frac{1}{2}$ 20 | f   | 4/51           | L1   | TO       |
| 960          |                  | 276         | 315                         | 561                         | 610                   | 315                      | 304                                | 257                    | 409             | 129               | 129         | 45            |                    |     | 2/51           |      | KE       |
| 962          |                  | 272         | 310                         | 550                         | 597                   | 308                      | 295                                | 240                    | 458             | 124               | 125         | 43            | 9 $\frac{1}{2}$ 20 |     | 8/50           | L1   | BMS      |
| 964          |                  | 277         | 309                         | 550                         | 596                   | 313                      | 301                                | 247                    | 423             | 123               | 121         | 44            |                    |     | 8/50           | L1   | BMS      |
| 970          |                  | 281         | 309                         | 553                         | 609                   | 320                      | 300                                | 255                    | 428             | 134               | 128         | 44            |                    |     | 8/50           | L1   | BMS      |
| 971          |                  | 276         | 306                         | 555                         | 606                   | 309                      | 308                                | 251                    | 412             | 126               | 126         | 42            |                    |     | 7/50           | L1   | BMS      |
| 973          |                  | 279         | 306                         | 551                         | 616                   | 315                      | 304                                | 248                    | 432             | 129               | 133         | 43            | 8 $\frac{1}{2}$ 19 |     | 8/50           | L1   | BMS      |
| 978          |                  | 282         | 307                         | 551                         | 610                   | 320                      | 306                                | 250                    | 432             | 122               | 120         | 43            |                    |     | 8/50           | L1   | BMS      |
| 979          | 44 $\frac{1}{4}$ | 280         | 311                         | 555                         | 603                   | 309                      | 296                                | 256                    | 421             | 133               | 132         | 42            | 8 $\frac{1}{2}$ 21 | m   | 6/51           | L1   | WVC      |
| 979          |                  | 281         | 309                         |                             | 617                   | 323                      | 302                                | 243                    | 437             | 122               | 122         | 45            |                    |     | 2/51           |      | KE       |
| 980          |                  | 283         | 314                         | 566                         | 613                   | 327                      | 307                                | 254                    | 450             | 142               | 134         | 44            |                    |     | 8/50           | L1   | BMS      |
| 983          |                  | 283         | 314                         | 569                         | 612                   | 315                      | 301                                | 259                    | 456             | 130               | 128         | 49            |                    |     | 2/51           |      | KE       |
| 987          |                  | 280         | 320                         | 566                         | 604                   | 320                      | 295                                | 256                    | 429             | 134               | 132         | 44            | 8 $\frac{1}{2}$ 20 |     | 8/50           | L1   | BMS      |
| 987          |                  | 297         | 317                         | 563                         | 624                   | 328                      | 300                                | 248                    | 454             | 124               | 128         | 46            | 9 $\frac{1}{2}$ 19 |     | 8/50           | L1   | BMS      |
| 989          |                  | 285         | 329                         | 575                         | 610                   | 316                      | 295                                | 262                    | 428             | 129               | 122         | 44            | 9 $\frac{1}{2}$ 20 |     | 8/50           | L1   | BMS      |
| 990          |                  | 282         | 312                         | 555                         | 615                   | 317                      | 306                                | 254                    | 430             | 119               | 120         | 43            | 9 $\frac{1}{2}$ 20 |     | 8/50           | L1   | BMS      |
| 994          | 44 $\frac{1}{2}$ | 288         | 335                         | 578                         | 618                   | 321                      | 302                                | 263                    | 436             | 131               | 130         | 45            | 9 $\frac{1}{2}$ 21 | m   | 6/51           | L1   | WVC      |
| 996          |                  | 294         | 339                         | 592                         | 632                   | 332                      | 306                                | 275                    | 421             | 138               | 137         | 44            | 9 $\frac{1}{2}$ 20 | m   | 4/51           | L1   | TO       |
| 999          |                  | 284         | 326                         | 564                         | 626                   | 320                      | 320                                | 264                    | 443             | 128               | 135         | 44            |                    |     | 8/50           | L1   | BMS      |
| 1000         |                  | 288         | 324                         | 586                         | 638                   | 329                      | 317                                | 259                    | 426             | 137               | 127         | 47            |                    |     | 2/51           |      | KE       |
| 1002         | 44 $\frac{1}{4}$ | 287         | 320                         | 579                         | 635                   | 315                      | 325                                | 252                    | 439             | 131               | 130         | 44            | 9 $\frac{1}{2}$ 21 | f   | 6/51           | L1   | WVC      |
| 1002         | 48               | 289         | 325                         | 582                         | 619                   | 323                      | 303                                | 259                    | 433             | 127               | 129         | 46            | 9 $\frac{1}{2}$ 21 | m   | 9/51           | L1   | WVC      |
| 1002         |                  | 295         | 334                         | 578                         | 640                   | 334                      | 320                                | 261                    | 450             | 150               | 146         | 43            | 9 $\frac{1}{2}$ 21 |     | 8/50           | L1   | BMS      |
| 1006         |                  | 285         | 308                         | 571                         | 610                   | 318                      | 305                                | 255                    | 419             | 130               | 129         | 44            |                    |     | 8/50           | L1   | BMS      |
| 1006         |                  | 285         | 312                         | 564                         | 630                   | 322                      | 319                                | 262                    | 457             | 127               | 123         | 46            | 8 $\frac{1}{2}$ 20 |     | 8/50           | L1   | BMS      |
| 1006         |                  | 291         | 313                         | 575                         | 635                   | 330                      | 308                                | 252                    | 434             | 134               | 130         | 44            |                    |     | 2/51           |      | KE       |
| 1009         | 53 $\frac{1}{4}$ | 296         | 330                         | 592                         | 642                   | 327                      | 319                                | 267                    | 414             | 127               | 117         | 46            | 9 $\frac{1}{2}$ 20 | m   | 6/51           | L1   | WVC      |



Table 39. Albacore from the Western Equatorial Pacific:  
Eastern Carolines (Continued)

| Total Length | Weight           | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Edge Vent | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|------------------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|-----------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 1010         | 50 $\frac{1}{2}$ | 289         | 324                         | 581                         | 625                   | 326                      | 305                               | 255                    | 455             | 131               | 136         | 45            | 9/20            | m   | 2/51           | L1   | KE       |
| 1011         |                  | 292         | 324                         | 577                         | 631                   | 334                      | 307                               | 263                    | 453             | 129               | 126         | 45            |                 |     | 8/50           |      | BMS      |
| 1018         |                  | 296         | 324                         | 578                         | 634                   | 333                      | 303                               | 263                    | 458             | 137               | 134         | 45            |                 |     | 2/51           |      | KE       |
| 1019         |                  | 295         | 335                         | 601                         | 645                   | 327                      | 322                               | 266                    | 448             | 143               | 143         | 46            |                 |     | 2/51           |      | KE       |
| 1021         |                  | 302         | 332                         | 590                         | 632                   | 337                      | 298                               | 263                    | 462             | 139               | 134         | 45            |                 |     | 4/51           |      | TO       |
| 1024         | 50 $\frac{1}{2}$ | 293         | 335                         | 594                         | 639                   | 330                      | 318                               | 266                    | 437             | 132               | 131         | 45            | 9/20            | m   | 2/51           | L1   | KE       |
| 1035         |                  | 294         | 324                         | 583                         | 635                   | 330                      | 315                               | 258                    | 481             | 140               | 132         | 46            |                 |     | 8/50           |      | BMS      |
| 1035         |                  | 301         | 330                         | 590                         | 649                   | 342                      | 313                               | 267                    | 482             | 145               | 138         | 44            |                 |     | 9/51           |      | WVC      |
| 1036         |                  | 301         | 331                         | 601                         | 653                   | 335                      | 325                               | 270                    | 414             | 131               | 136         | 52            |                 |     | 5/51           |      | TO       |
| 1039         |                  | 300         | 346                         | 605                         | 654                   | 340                      | 321                               | 271                    | 455             | 136               | 145         | 50            |                 |     | 2/51           |      | KE       |
| 1041         | 49 $\frac{3}{4}$ | 301         | 331                         | 601                         | 658                   | 344                      | 316                               |                        | 452             | 133               | 133         | 44            | 9/21            | m   | 4/51           | L1   | TO       |
| 1042         |                  | 295         | 340                         | 595                         | 651                   | 328                      | 333                               | 269                    | 459             | 142               | 134         | 47            |                 |     | 6/51           |      | WVC      |
| 1048         |                  | 302         | 338                         | 601                         | 647                   | 337                      | 315                               | 269                    | 453             | 151               | 144         | 46            |                 |     | 9/51           |      | WVC      |
| 1052         |                  | 300         | 333                         | 590                         | 649                   | 342                      | 324                               | 288                    | 486             | 141               | 135         | 48            |                 |     | 8/50           |      | BMS      |
| 1053         |                  | 290         | 326                         | 597                         | 645                   | 324                      | 325                               | 279                    | 418             | 127               | 127         | 46            |                 |     | 4/51           |      | TO       |
| 1053         | 57 $\frac{1}{2}$ | 303         | 350                         | 613                         | 667                   | 341                      | 331                               | 283                    | 452             | 138               | 134         | 46            | 9/20            | m   | 9/51           | L1   | WVC      |
| 1053         |                  | 301         | 337                         | 607                         | 663                   | 351                      | 328                               | 290                    | 457             | 137               | 132         | 46            |                 |     | 2/51           |      | KE       |
| 1063         |                  | 304         | 342                         | 606                         | 667                   | 342                      | 331                               | 274                    | 467             | 146               | 141         | 45            |                 |     | 4/51           |      | TO       |
| 1064         |                  | 299         | 340                         | 606                         | 668                   | 337                      | 342                               | 276                    | 485             | 140               | 141         | 45            |                 |     | 2/51           |      | KE       |
| 1066         |                  | 308         | 340                         | 609                         | 670                   | 342                      | 341                               | 283                    | 453             | 140               | 135         | 47            |                 |     | 8/50           |      | BMS      |
| 1067         | 57 $\frac{3}{4}$ | 306         | 347                         | 619                         | 666                   | 342                      | 330                               | 280                    | 488             |                   | 138         | 45            | 9/21            | m   | 2/51           | L1   | KE       |
| 1071         |                  | 299         | 329                         | 610                         | 676                   | 336                      | 345                               | 269                    | 470             | 150               | 149         | 46            |                 |     | 5/51           |      | TO       |
| 1073         |                  | 307         | 339                         | 608                         | 669                   | 347                      | 334                               | 386                    | 472             | 151               | 141         | 48            |                 |     | 2/51           |      | KE       |
| 1077         |                  | 312         | 351                         | 620                         | 679                   | 356                      | 329                               | 271                    | 429             | 139               | 140         | 49            |                 |     | 2/51           |      | KE       |
| 1078         |                  | 317         | 358                         | 627                         | 678                   | 355                      | 331                               | 280                    | 466             | 159               | 145         | 48            |                 |     | 9/51           |      | WVC      |
| 1079         | 57 $\frac{3}{4}$ | 300         | 341                         | 612                         | 676                   | 343                      | 335                               | 272                    | 467             | 146               | 143         | 45            | 9/20            | m   | 2/51           | L1   | KE       |
| 1084         |                  | 312         | 341                         | 614                         | 666                   | 358                      | 322                               | 291                    | 434             | 134               | 135         | 48            |                 |     | 8/50           |      | BMS      |
| 1087         |                  | 311         | 340                         | 607                         | 666                   | 357                      | 324                               | 214                    | 466             | 140               | 136         | 47            |                 |     | 8/50           |      | BMS      |
| 1093         |                  | 314         | 340                         | 616                         | 682                   | 358                      | 339                               | 280                    | 473             | 144               | 146         | 49            |                 |     | 8/50           |      | BMS      |
| 1093         |                  | 316         | 350                         | 613                         | 678                   | 359                      | 330                               | 275                    | 450             | 141               | 146         | 50            |                 |     | 8/50           |      | BMS      |

Table 39. Albacore from the Western Equatorial Pacific:  
Eastern Carolines (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Edge Ventr | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|------------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 1097         |        | 313         | 343                         | 619                         | 675                   | 356                      | 332                                | 283                    | 463             | 148               | 142         | 47            | 8/20            |     | 8/50           | L1   | BMS      |
| 1104         | 61     | 316         | 357                         | 636                         | 698                   | 356                      | 345                                | 281                    | 467             | 143               | 148         | 50            | 9/19            | m   | 6/51           | L1   | WVC      |
| 1106         | 56     | 317         | 351                         | 627                         | 693                   | 355                      | 353                                | 268                    | 443             | 142               | 137         | 53            | 10/21           | m   | 6/51           | L1   | WVC      |
| 1111         | 63     | 323         | 358                         | 628                         | 694                   | 356                      | 346                                | 292                    | 477             | 144               | 140         | 52            | 8/20            | m   | 9/51           | L1   | WVC      |
| 1114         |        | 314         | 348                         | 635                         | 691                   | 362                      | 340                                | 284                    | 455             | 143               | 142         | 48            |                 |     | 8/50           | L1   | BMS      |
| 1128         |        | 323         | 364                         | 637                         | 700                   | 367                      | 350                                | 274                    | 478             | 147               | 138         | 50            | 8/19            |     | 8/50           | L1   | BMS      |

Table 40. Albacore from the Western Equatorial Pacific:  
Central Carolines

|      |    |     |     |     |     |     |     |     |     |     |     |    |      |   |      |    |     |
|------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|------|---|------|----|-----|
| 887  |    | 253 | 281 | 507 | 555 | 286 | 277 | 216 | 380 | 118 | 120 | 41 |      |   | 7/50 | L1 | BMS |
| 901  |    | 281 | 308 | 560 | 605 | 318 | 292 | 248 | 453 | 131 | 125 | 41 |      |   | 8/50 | L1 | BMS |
| 948  |    | 277 | 307 | 545 | 597 | 318 | 285 | 243 | 430 | 121 | 118 | 42 |      |   | 7/50 | L1 | BMS |
| 958  |    | 278 | 311 | 544 | 606 | 315 | 299 |     | 436 | 123 | 116 | 42 |      |   | 7/50 | L1 | BMS |
| 959  |    | 275 | 322 | 552 | 599 | 314 | 285 | 259 | 420 | 110 | 127 | 45 |      | f | 4/51 | L1 | TO  |
| 969  |    | 279 | 318 | 553 | 601 | 314 | 292 | 265 | 412 | 132 | 126 | 44 |      |   | 7/50 | L1 | BMS |
| 968  |    | 279 | 310 | 557 | 606 | 312 | 306 | 258 | 420 | 121 | 127 | 44 |      |   | 7/50 | L1 | BMS |
| 972  |    | 274 | 309 | 540 | 611 | 333 | 298 | 233 | 444 | 136 | 131 | 42 |      |   | 7/50 | L1 | BMS |
| 972  |    | 281 | 316 | 561 | 603 | 318 | 294 | 247 | 420 | 137 | 122 | 43 |      |   | 7/50 | L1 | BMS |
| 979  |    | 279 | 318 | 562 | 621 | 326 | 303 | 239 | 443 | 125 | 125 | 44 | 8/20 |   | 6/50 | L1 | BMS |
| 981  | 41 | 278 | 313 | 559 | 604 | 314 | 286 | 231 | 431 | 110 | 116 | 45 |      | f | 4/51 | L1 | TO  |
| 982  | 45 | 286 | 318 | 573 | 616 | 320 | 297 | 262 | 431 | 125 | 123 | 45 | 9/21 | f | 4/51 | L1 | TO  |
| 983  |    | 288 | 311 | 561 | 619 | 337 | 300 | 272 | 438 | 130 | 126 | 45 |      |   | 6/50 | L1 | BMS |
| 988  |    | 277 | 313 | 553 | 610 | 320 | 297 | 247 | 445 | 120 | 127 | 45 |      |   | 6/50 | L1 | BMS |
| 991  | 47 | 282 | 329 | 576 | 613 | 312 | 308 | 262 | 451 | 125 | 122 | 42 | 8/21 | m | 4/51 | L1 | TO  |
| 1000 |    | 287 | 314 | 570 | 623 | 317 | 314 |     | 417 | 138 | 134 | 43 |      |   | 7/50 | L1 | BMS |
| 1002 |    | 282 | 314 | 563 | 617 | 320 | 310 | 258 |     | 136 | 133 | 42 |      |   | 7/50 | L1 | BMS |
| 1007 |    | 289 | 322 | 570 | 640 | 325 | 321 | 248 | 450 | 130 | 118 | 43 |      | m | 7/50 | L1 | BMS |
| 1013 | 48 | 291 | 336 | 589 | 641 | 331 | 309 | 245 | 450 | 133 | 127 | 44 |      | m | 4/51 | L1 | TO  |
| 1024 |    | 298 | 330 | 584 | 634 | 341 | 307 | 259 | 476 | 145 | 135 | 43 |      |   | 6/50 | L1 | BMS |
| 1037 |    | 293 | 336 | 584 | 643 | 337 | 323 | 269 | 466 | 137 | 129 | 43 | 8/20 |   | 6/50 | L1 | BMS |
| 1047 |    | 302 | 336 | 607 | 655 | 342 | 314 | 273 | 454 | 144 | 139 | 46 | 8/21 | m | 4/51 | L1 | TO  |

Table 41. Albacore from the Western Equatorial Pacific  
Western Carolines

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Edge Vent | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|-----------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 696          |        | 214         | 231                         | 300                         | 437                   | 236                      | 194                               | 164                    | 260             | 83                | 84          | 33            |                 |     | 3/51           | L1   | TO       |
| 973          | 41     | 278         | 307                         | 552                         | 606                   | 313                      | 302                               | 240                    | 140             | 112               | 113         | 41            | 3/21            |     | 12/50          |      | KE       |
| 1039         | 50     | 290         | 316                         | 563                         |                       |                          | 325                               | 257                    | 478             | 112               | 121         | 15            | 8/20            |     | 12/50          |      | KE       |
| 1042         | 50     | 294         | 323                         | 599                         | 630                   | 310                      | 312                               | 257                    | 478             | 133               | 135         | 15            | 9/21            |     | 12/50          |      | KE       |
| 1049         | 51     | 298         | 320                         | 590                         | 643                   | 333                      | 310                               | 270                    | 474             | 125               | 131         | 44            | 8/20            |     | 12/50          |      | KE       |

Table 42 Albacore from the Northeastern Pacific:  
United States' Coast

|     |    |     |     |     |     |     |  |     |     |    |    |    |      |   |      |    |     |
|-----|----|-----|-----|-----|-----|-----|--|-----|-----|----|----|----|------|---|------|----|-----|
| 533 | 5  | 156 | 182 | 319 | 347 | 179 |  | 132 | 187 | 65 | 45 | 33 | 9/19 |   | 9/49 | Tr | HHE |
| 539 | 5  | 156 | 179 | 322 | 356 | 187 |  | 130 | 177 | 48 | 47 | 31 | 9/21 |   | 9/49 | Tr | HHE |
| 540 | 5  | 156 | 182 | 301 | 331 | 180 |  | 130 | 177 | 46 | 45 | 34 | 9/21 |   | 9/49 | Tr | HHE |
| 556 | 7  | 163 | 186 | 329 | 357 | 190 |  | 144 | 200 | 50 | 45 | 30 | 9/19 |   | 9/50 | Tr | HHE |
| 620 | 9  | 180 | 203 | 361 | 401 | 216 |  | 151 | 230 |    |    | 34 | 9/21 | f | 9/50 | Tr | HHE |
| 621 | 12 | 187 | 207 | 372 | 412 | 220 |  | 142 | 200 | 31 | 50 | 40 | 9/20 |   | 9/49 | Tr | HHE |
| 622 | 11 | 185 | 209 | 366 | 397 | 200 |  | 150 | 257 | 62 | 50 | 33 | 9/20 |   | 8/49 | Tr | GWM |
| 625 | 15 | 183 | 206 | 300 | 360 | 213 |  | 155 | 251 | 56 | 53 | 39 | 9/20 |   | 3/49 | Tr | HHE |
| 636 | 12 | 183 | 206 | 371 | 405 | 200 |  | 153 | 240 | 61 | 55 | 37 | 9/22 |   | 9/49 | Tr | HHE |
| 644 | 15 | 189 | 215 | 377 | 414 | 219 |  | 163 | 251 | 55 | 60 | 39 | 9/21 |   | 9/49 | Tr | HHE |
| 659 | 15 | 192 | 222 | 309 | 421 | 219 |  | 170 | 262 | 75 | 70 | 34 | 9/21 | m | 8/49 | Tr | GWM |
| 691 | 13 | 201 | 226 | 406 | 430 | 229 |  | 165 | 270 | 69 | 61 | 37 | 8/20 | f | 8/49 | Tr | GWM |
| 720 | 16 | 212 | 234 | 425 | 457 | 239 |  | 160 | 254 | 73 | 73 | 36 | 9/21 |   | 8/49 | Tr | GWM |
| 732 | 17 | 218 | 236 | 130 | 472 | 247 |  | 163 | 299 | 75 | 71 | 39 | 9/21 |   | 9/50 | Tr | HHE |
| 769 | 20 | 219 | 246 | 453 | 400 | 252 |  | 168 | 332 | 78 | 60 | 37 | 9/20 | m | 9/50 | Tr | HHE |
| 814 | 24 | 238 | 267 | 177 | 509 | 360 |  | 200 | 362 | 85 |    | 42 | 8/19 | m | 9/50 | Tr | HHE |

Table 43. Albacore from the North Central Pacific  
Hawaiian Islands

|     |    |     |     |     |     |     |     |     |     |     |     |    |      |   |       |    |     |
|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|------|---|-------|----|-----|
| 876 | 31 | 256 | 275 | 503 | 565 | 313 | 270 | 217 |     | 100 | 104 | 40 | 9/21 | f | 11/49 |    | MBS |
| 916 | 34 | 269 | 297 | 533 | 587 | 307 |     | 230 | 402 | 113 | 117 | 39 | 9/21 | f | 8/49  | L1 | HBE |
| 930 | 37 | 263 | 302 | 544 | 539 | 302 |     | 233 | 415 | 119 | 116 | 40 | 9/20 |   | 9/49  | L1 | HBE |
| 942 | 40 | 270 | 297 | 544 | 591 | 309 |     | 250 | 410 | 124 | 126 | 41 | 9/21 |   | 8/49  | L1 | HBE |
| 956 | 42 | 271 | 311 | 550 | 513 | 330 |     | 250 | 423 | 125 | 125 | 43 | 9/21 |   | 9/49  | L1 | HBE |

Table 43. Albacore from the North Central Pacific:  
Hawaiian Islands (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Edge Vent | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|-----------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 962          | 41     | 276         | 297                         | 539                         | 597                   | 315                      |                                   | 249                    | 418             | 124               | 123         | 43            | 9/20            |     | 8/49           | L1   | HBE      |
| 966          | 41     | 278         | 309                         | 562                         | 620                   | 323                      |                                   | 239                    | 410             | 126               | 120         | 42            | 9/22            |     | 9/49           | L1   | HBE      |
| 973          | 43     | 275         | 308                         | 552                         | 622                   | 316                      |                                   | 242                    | 417             | 122               | 118         | 42            | 8/21            |     | 6/49           | L1   | KY       |
| 981          | 46     | 279         | 319                         | 571                         | 634                   | 319                      |                                   | 253                    | 415             | 129               | 126         | 41            | 9/20            |     | 9/49           | L1   | HBE      |
| 985          | 46     | 274         | 321                         | 577                         | 618                   | 323                      |                                   | 255                    | 429             | 132               | 131         | 42            | 8/21            |     | 5/49           | L1   | HBE      |
| 988          | 47     | 277         | 317                         | 583                         | 630                   | 325                      |                                   | 274                    | 397             | 124               | 124         | 42            | 9/20            | f   | 9/49           | L1   | HBE      |
| 989          | 47     | 280         | 319                         | 562                         | 612                   | 313                      |                                   | 258                    | 419             | 137               | 132         | 43            | 10/21           |     | 9/49           | L1   | HBE      |
| 991          | 43     | 279         | 321                         | 561                         | 622                   | 327                      |                                   | 249                    | 405             | 123               | 128         | 41            | 9/20            |     | 9/49           | L1   | HBE      |
| 993          | 45     | 282         | 320                         | 570                         | 627                   | 334                      |                                   | 261                    | 465             | 134               | 132         | 42            | 9/21            |     | 9/49           | L1   | HBE      |
| 1001         | 46     | 278         | 320                         | 583                         | 627                   | 315                      |                                   | 253                    | 425             | 128               | 130         | 38            | 9/21            |     | 8/49           | L1   | HBE      |
| 1001         | 47     | 288         | 327                         | 576                         | 630                   | 328                      |                                   | 268                    | 437             | 132               | 135         | 41            | 9/19            | m   | 8/49           | L1   | HBE      |
| 1002         | 47     | 282         | 310                         | 575                         | 636                   | 326                      |                                   | 255                    | 411             | 138               | 124         | 43            | 10/20           |     | 8/49           | L1   | HBE      |
| 1004         | 49     | 294         | 328                         | 587                         | 636                   | 387                      |                                   | 259                    | 441             | 130               | 127         | 44            | 9/21            | m   | 8/49           | L1   | HBE      |
| 1010         | 51     | 295         | 329                         | 591                         | 651                   | 330                      |                                   | 257                    | 406             | 129               | 136         | 49            | 8/20            |     | 8/49           | L1   | HBE      |
| 1013         | 50     | 294         | 319                         | 582                         | 623                   | 336                      |                                   | 262                    | 459             | 139               | 135         | 46            | 8/22            |     | 9/49           | L1   | HBE      |
| 1018         | 48     | 290         | 326                         | 576                         | 640                   | 332                      |                                   | 267                    | 444             | 136               | 136         | 43            | 9/19            |     | 6/49           | L1   | KY       |
| 1020         | 49     | 287         | 321                         | 579                         | 650                   | 336                      |                                   | 268                    | 439             | 137               | 133         | 45            | 8/20            |     | 9/49           | L1   | HBE      |
| 1020         | 52     | 288         | 325                         | 580                         | 640                   | 336                      |                                   | 264                    | 423             | 134               | 136         | 42            | 8/21            |     | 8/49           | L1   | HBE      |
| 1020         | 52     | 290         | 322                         | 592                         | 650                   | 330                      |                                   | 263                    | 430             | 127               | 123         | 41            | 8/20            |     | 9/49           | L1   | HBE      |
| 1021         | 54     | 292         | 328                         | 583                         | 643                   | 331                      |                                   | 269                    | 425             | 144               | 135         | 43            | 9/21            |     | 8/49           | L1   | HBE      |
| 1023         | 48     | 281         | 319                         | 584                         | 638                   | 328                      |                                   | 265                    | 452             | 138               | 130         | 41            | 9/20            |     | 9/49           | L1   | HBE      |
| 1023         | 50     | 292         | 330                         | 583                         | 641                   | 331                      |                                   | 262                    | 465             | 130               | 310         | 45            | 9/21            | m   | 7/49           | L1   | HBE      |
| 1025         | 48     | 287         | 322                         | 582                         | 640                   | 324                      |                                   | 250                    | 433             | 132               | 131         | 45            | 8/20            |     | 8/49           | L1   | HBE      |
| 1027         | 49     | 287         | 326                         | 589                         | 652                   | 333                      |                                   | 268                    | 441             | 136               | 133         | 44            | 9/21            |     | 9/49           | L1   | HBE      |
| 1028         | 52     | 297         | 334                         | 597                         | 657                   | 354                      |                                   | 280                    | 419             | 135               | 132         | 46            | 9/21            |     | 8/49           | L1   | HBE      |
| 1029         | 50     | 295         | 328                         | 584                         | 636                   | 340                      |                                   | 264                    | 419             | 128               | 130         | 45            | 9/18            |     | 6/49           | L1   | HBE      |
| 1030         | 48     | 289         | 331                         | 593                         | 649                   | 344                      |                                   | 247                    | 433             | 135               | 132         | 45            | 8/21            |     | 6/49           | L1   | KY       |
| 1030         | 54     | 292         | 331                         | 596                         | 654                   | 341                      |                                   | 268                    | 418             | 136               | 138         | 45            | 9/20            |     | 7/49           | L1   | HBE      |
| 1035         | 52     | 298         | 331                         | 598                         | 661                   | 346                      |                                   | 269                    | 433             | 136               | 133         | 47            | 10/21           |     | 6/49           | L1   | FCJ      |
| 1037         | 52     | 295         | 330                         | 589                         | 653                   | 337                      |                                   | 263                    | 460             | 133               | 134         | 46            | 9/20            | f   | 8/49           | L1   | HBE      |

Table 43. Albacore from the North Central Pacific:  
Hawaiian Islands (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Edge Vent | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|-----------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 1037         | 53     | 286         | 337                         | 606                         | 649                   | 324                      |                                   | 274                    | 454             |                   | 119         | 42            | 8/20            | f   | 4/49           | L1   | FCJ      |
| 1037         | 54     | 304         | 338                         | 596                         | 657                   | 344                      |                                   | 267                    | 454             | 146               | 132         | 47            | 8/20            |     | 8/49           | L1   | HBE      |
| 1039         | 53     | 306         | 340                         | 608                         | 654                   | 345                      |                                   | 260                    | 443             | 134               | 134         | 46            | 9/20            |     | 8/49           | L1   | HBE      |
| 1040         | 49     | 287         | 323                         | 581                         | 647                   | 332                      |                                   | 251                    | 455             | 136               | 128         | 42            | 9/20            |     | 9/49           | L1   | HBE      |
| 1040         | 51     | 298         | 383                         | 587                         | 655                   | 344                      |                                   | 263                    | 453             | 152               | 149         | 48            | 9/20            |     | 9/49           | L1   | HBE      |
| 1045         | 55     | 299         | 334                         | 597                         | 667                   | 347                      |                                   | 275                    | 442             | 129               | 131         | 47            |                 | m   | 5/49           |      | HBE      |
| 1046         | 50     | 296         | 327                         | 592                         | 657                   | 350                      |                                   | 259                    | 420             | 126               | 127         | 47            | 10/20           |     | 8/49           | L1   | HBE      |
| 1051         | 53     | 297         | 329                         | 598                         | 657                   | 350                      |                                   | 266                    | 445             | 139               | 138         | 44            | 9/20            |     | 8/49           | L1   | HBE      |
| 1052         | 57     | 303         | 342                         | 611                         | 679                   | 353                      |                                   | 277                    | 409             | 128               | 127         | 48            | 9/21            |     | 5/49           | L1   | FCJ      |
| 1053         | 54     | 291         | 325                         | 600                         | 663                   | 341                      |                                   | 269                    | 430             | 133               | 128         | 43            | 10/19           |     | 9/49           | L1   | HBE      |
| 1061         | 57     | 295         | 331                         | 604                         | 672                   | 350                      |                                   | 271                    | 447             | 128               | 125         | 47            | 9/20            |     | 4/49           |      | KY       |
| 1063         | 58     | 306         | 335                         | 599                         | 670                   | 355                      |                                   | 269                    | 460             | 137               | 133         | 43            | 9/20            |     | 7/49           | L1   | KY       |
| 1069         | 56     | 301         | 338                         | 608                         | 678                   | 347                      |                                   | 271                    | 464             | 144               | 140         | 43            | 8/21            |     | 8/49           | L1   | HBE      |
| 1069         | 57     | 303         | 346                         | 600                         | 677                   | 350                      |                                   | 282                    | 446             | 146               | 142         | 49            | 9/20            |     | 7/49           | L1   | HBE      |
| 1070         | 56     | 300         | 333                         | 600                         | 660                   | 346                      |                                   | 269                    | 458             | 143               | 141         | 46            | 8/20            |     | 7/49           | L1   | HBE      |
| 1074         | 61     | 305         | 337                         | 627                         | 693                   | 350                      |                                   | 272                    | 468             | 143               | 143         | 47            | 8/21            | m   | 9/49           | L1   | HBE      |
| 1090         | 61     | 329         | 340                         | 602                         | 673                   | 379                      |                                   | 305                    |                 | 178               | 166         | 46            | 9/19            |     | 8/49           | L1   | HBE      |
| 1094         | 62     | 306         | 357                         | 635                         | 689                   | 366                      |                                   | 283                    | 443             | 143               | 147         | 47            | 7/19            |     | 5/49           | L1   | KY       |
| 1104         | 65     | 311         | 345                         | 625                         | 700                   | 356                      |                                   | 295                    |                 | 140               | 140         | 48            | 8/19            |     | 6/49           | L1   | FCJ      |
| 1105         | 60     | 312         | 360                         | 636                         | 703                   | 355                      |                                   | 275                    | 485             | 132               | 133         | 48            | 9/21            |     | 3/49           | L1   | FCJ      |
| 1105         | 60     | 315         | 354                         | 639                         | 693                   | 360                      |                                   | 288                    | 469             | 133               | 135         | 44            | 8/21            | m   | 3/49           | L1   | FCJ      |
| 1106         | 67     | 323         | 357                         | 636                         | 703                   | 377                      |                                   | 296                    | 469             | 149               | 154         | 46            | 9/21            |     | 8/49           | L1   | HBE      |
| 1109         | 65     | 320         | 346                         | 631                         | 703                   | 368                      |                                   | 289                    | 496             | 153               | 148         | 50            | 9/20            |     | 8/49           | L1   | HBE      |
| 1112         | 64     | 311         | 341                         | 637                         | 705                   | 366                      |                                   | 291                    | 474             | 145               | 145         | 47            | 9/21            |     | 9/49           | L1   | HBE      |
| 1114         | 62     | 311         | 349                         | 627                         | 684                   | 356                      |                                   | 284                    | 476             | 165               | 164         | 47            | 9/20            |     | 8/49           | L1   | JWR      |
| 1114         | 68     | 310         | 351                         | 631                         | 692                   | 356                      |                                   | 305                    | 465             | 146               | 143         | 49            | 9/21            | m   | 8/49           | L1   | JWR      |
| 1117         | 68     | 314         | 359                         | 648                         | 696                   | 365                      |                                   | 289                    | 482             | 153               | 148         | 49            | 10/21           |     | 9/49           | L1   | HBE      |
| 1119         | 61     | 312         | 350                         | 637                         | 700                   | 362                      |                                   | 291                    | 449             | 143               | 144         | 46            | 8/20            |     | 9/49           | L1   | HBE      |
| 1119         | 68     | 317         | 350                         | 634                         | 704                   | 369                      |                                   | 289                    | 463             | 140               | 138         | 49            | 8/20            |     | 8/49           | L1   | HBE      |
| 1120         | 64     | 313         | 344                         | 630                         | 706                   | 368                      |                                   | 293                    | 465             | 141               | 144         | 47            | 9/21            |     | 5/49           | L1   | KY       |

Table 43. Albacore from the North Central Pacific:  
Hawaiian Islands (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Edge Vent | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiners |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|-----------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|-----------|
| 1122         | 63     | 317         | 355                         | 644                         | 702                   | 365                      |                                   | 287                    | 477             | 148               | 145         | 47            | 9/20            |     | 9/49           | L1   | HBE       |
| 1122         | 65     | 316         | 339                         | 636                         | 706                   | 372                      |                                   | 289                    | 468             | 145               | 146         | 50            | 8/20            |     | 9/49           | L1   | HBE       |
| 1122         | 66     | 317         | 352                         | 645                         | 710                   | 367                      |                                   | 272                    | 478             | 157               | 151         | 49            | 8/20            | m   | 9/49           | L1   | HBE       |
| 1123         | 67     | 319         | 359                         | 650                         | 714                   | 371                      |                                   | 291                    | 472             | 153               | 159         | 50            | 8/21            | m   | 8/49           | L1   | HBE       |
| 1125         | 65     | 316         | 360                         | 648                         | 707                   | 369                      |                                   | 288                    | 469             | 146               | 141         | 48            | 9/21            |     | 9/49           | L1   | HBE       |
| 1126         | 66     | 324         | 362                         | 649                         | 728                   | 391                      |                                   | 308                    | 454             | 145               | 138         | 47            |                 | m   | 5/49           | L1   | KY        |
| 1130         | 66     | 309         | 351                         | 646                         | 709                   | 361                      |                                   | 300                    | 473             | 151               | 152         | 47            | 8/20            |     | 8/49           | L1   | HBE       |
| 1132         | 66     | 313         | 347                         | 634                         | 702                   | 378                      |                                   | 297                    | 443             | 143               | 138         | 47            | 9/21            |     | 5/49           | L1   | KY        |
| 1132         | 66     | 322         | 365                         | 650                         | 705                   | 367                      |                                   | 292                    | 497             | 160               | 155         | 47            | 8/20            |     | 5/49           | L1   | HBE       |
| 1133         | 66     | 319         | 357                         | 640                         | 711                   | 377                      |                                   | 293                    | 488             | 152               | 152         | 48            | 9/20            |     | 6/49           | L1   | HBE       |
| 1133         | 69     | 327         | 360                         | 659                         | 720                   | 373                      |                                   | 295                    | 471             | 146               | 145         | 49            | 9/22            |     | 6/49           | L1   | HBE       |
| 1133         | 71     | 330         | 363                         | 640                         | 716                   | 377                      |                                   | 293                    | 476             | 156               | 155         | 49            | 9/20            |     | 8/49           | L1   | HBE       |
| 1134         | 68     | 327         | 361                         | 645                         | 711                   | 377                      |                                   | 293                    | 461             | 157               | 150         | 50            | 7/20            |     | 8/49           | L1   | HBE       |
| 1135         | 68     | 320         | 350                         | 654                         | 713                   | 371                      |                                   | 297                    | 455             | 146               | 140         | 47            | 9/20            |     | 9/49           | L1   | HBE       |
| 1135         | 69     | 321         | 353                         | 643                         | 712                   | 388                      |                                   | 307                    | 455             | 154               | 148         | 47            |                 |     | 7/49           | L1   | HBE       |
| 1136         | 65     | 321         | 354                         | 643                         | 711                   | 380                      |                                   | 284                    | 466             | 145               | 136         | 46            | 7/21            |     | 6/49           | L1   | KY        |
| 1137         | 66     | 325         | 359                         | 648                         | 717                   | 379                      |                                   | 298                    | 467             | 151               | 142         | 49            | 9/21            |     | 7/49           | L1   | HBE       |
| 1138         | 67     | 316         | 370                         | 657                         | 704                   | 361                      |                                   | 293                    | 458             | 145               | 142         | 50            |                 |     | 5/49           | L1   | KY        |
| 1140         | 72     | 318         | 352                         | 649                         | 721                   | 375                      |                                   | 307                    | 467             | 142               | 144         | 47            | 9/21            | m   | 9/49           | L1   | HBE       |
| 1140         | 73     | 324         | 359                         | 648                         | 723                   | 376                      |                                   | 284                    | 462             | 148               | 143         | 49            | 8/21            |     | 6/49           | L1   | KY        |
| 1142         | 72     | 328         | 359                         | 646                         | 712                   | 371                      |                                   | 301                    | 468             | 147               | 153         | 49            | 7/20            |     | 7/49           | L1   | HBE       |
| 1144         | 68     | 335         | 374                         | 658                         | 727                   | 389                      |                                   | 289                    | 468             | 148               | 152         | 48            | 8/18            |     | 8/49           | L1   | HBE       |
| 1147         | 69     | 328         | 358                         | 650                         | 719                   | 378                      |                                   | 297                    | 471             | 153               | 154         | 47            | 8/20            | m   | 8/49           | L1   | HBE       |
| 1147         | 72     | 325         | 354                         | 651                         | 728                   | 387                      |                                   | 311                    | 470             | 144               | 145         | 47            | 8/21            |     | 6/49           | L1   | KY        |
| 1148         | 72     | 321         | 365                         | 655                         | 728                   | 377                      |                                   | 304                    | 487             | 157               | 148         | 46            | 8/20            |     | 5/49           | L1   | KY        |
| 1151         | 72     | 329         | 358                         | 660                         | 727                   | 383                      |                                   | 307                    | 462             | 160               | 149         | 47            | 7/20            |     | 7/49           | L1   | HBE       |
| 1152         | 69     | 325         | 362                         | 657                         | 708                   | 372                      |                                   | 289                    | 470             | 151               | 149         | 47            | 9/20            |     | 8/49           | L1   | HBE       |
| 1152         | 70     | 328         | 368                         | 652                         | 711                   | 379                      |                                   | 293                    | 458             | 149               | 150         | 47            | 9/20            |     | 8/49           | L1   | HBE       |
| 1154         | 69     | 318         | 353                         | 645                         | 713                   | 376                      |                                   | 294                    | 483             | 148               | 143         | 50            | 8/20            |     | 9/49           | L1   | HBE       |
| 1154         | 70     | 323         | 358                         | 638                         | 714                   | 362                      |                                   | 296                    | 476             | 154               | 155         | 49            | 8/21            |     | 6/49           | L1   | FCJ       |

Table 43. Albacore from the North Central Pacific:  
Hawaiian Islands (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Edge Vent. | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|------------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 1154         | 71     | 324         | 301                         | 654                         | 713                   | 373                      |                                    | 298                    | 462             | 152               | 153         | 48            | 8/20            |     | 9/49           | L1   | HBE      |
| 1165         | 70     | 331         | 372                         | 666                         | 742                   | 375                      |                                    | 306                    | 486             |                   | 141         | 47            |                 |     | 5/49           | L1   | HBE      |
| 1167         | 73     | 327         | 361                         | 657                         | 719                   | 377                      |                                    | 300                    | 468             | 153               | 153         | 50            | 9/20            |     | 9/49           | L1   | HBE      |
| 1167         | 75     | 326         | 371                         | 673                         | 733                   | 378                      |                                    | 301                    | 469             | 148               | 149         | 49            | 8/20            | m   | 9/49           | L1   | HBE      |
| 1171         | 69     | 326         | 364                         | 653                         | 735                   | 390                      |                                    | 308                    | 455             | 156               | 152         | 47            | 9/20            |     | 7/49           | L1   | HBE      |
| 1178         | 75     | 335         | 370                         | 677                         | 738                   | 386                      |                                    | 308                    | 500             | 168               | 168         | 50            | 9/21            |     | 8/49           | L1   | HBE      |
| 1185         | 72     | 331         | 377                         | 677                         | 732                   | 376                      |                                    | 291                    | 485             | 133               | 135         | 52            | 7/21            |     | 3/49           | L1   | FCJ      |

Table 44. Albacore from the Northwestern Pacific: Japan

|      |    |     |     |     |     |     |  |     |     |     |     |    |       |   |      |    |     |
|------|----|-----|-----|-----|-----|-----|--|-----|-----|-----|-----|----|-------|---|------|----|-----|
| 768  |    | 244 | 256 | 441 | 501 | 264 |  | 219 | 276 | 91  | 86  |    |       |   | 2/49 |    | FCC |
| 876  | 32 | 251 | 284 | 502 | 542 | 280 |  | 239 | 398 | 113 | 113 | 40 | 10/21 |   | 6/49 | P1 | BMS |
| 890  | 30 | 255 | 299 | 519 | 551 | 290 |  | 236 | 375 | 118 | 115 | 40 | 8/20  |   | 6/49 | P1 | BMS |
| 894  | 32 | 254 | 291 | 520 | 559 | 289 |  | 238 | 387 | 122 | 117 | 41 | 10/21 |   | 6/49 | P1 | BMS |
| 894  | 32 | 261 | 303 | 527 | 565 | 287 |  | 230 | 376 | 116 | 111 | 41 | 8/21  | m | 6/49 | P1 | BMS |
| 903  | 34 | 250 | 286 | 529 | 569 | 284 |  | 227 | 413 | 116 | 116 |    |       |   | 1/49 | L1 | FCC |
| 903  |    | 262 | 287 | 529 | 578 | 301 |  | 228 | 384 | 104 | 104 |    |       |   | 2/49 |    | FCC |
| 1013 | 48 | 288 | 319 | 591 | 638 | 329 |  | 253 | 454 | 128 | 126 | 40 | 10/20 | m | 1/49 | L1 | FCC |
| 1027 | 51 | 291 | 332 | 612 | 664 | 310 |  | 264 | 431 | 124 | 125 | 46 |       |   | 1/49 | L1 | FCC |

Table 45. Bluefin from the Western Equatorial Pacific:  
Western Marshalls

|      |                  |     |     |      |      |     |     |     |     |     |     |    |       |   |      |    |     |
|------|------------------|-----|-----|------|------|-----|-----|-----|-----|-----|-----|----|-------|---|------|----|-----|
| 1971 | 315 <sup>3</sup> | 544 | 610 | 1059 | 1157 | 594 | 583 | 542 | 354 | 293 | 304 | 47 | 12/23 | f | 7/51 | L1 | WVC |
| 2078 | 296              | 563 | 591 | 1063 | 1220 | 635 | 610 | 541 | 360 | 318 | 309 | 49 | 14/26 | f | 7/51 | L1 | WVC |

Table 46. Bluefin from the Western Equatorial Pacific:  
Eastern Carolines

|      |     |     |     |      |      |     |     |     |     |     |     |    |       |   |      |    |     |
|------|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-----|----|-------|---|------|----|-----|
| 1972 | 291 | 547 | 586 | 1058 | 1197 | 593 | 604 | 527 | 390 | 337 | 324 | 49 | 12/23 | f | 7/51 | L1 | WVC |
| 1999 | 310 | 559 | 572 | 1059 | 1216 | 652 | 617 | 557 | 386 | 313 | 299 | 45 |       | m | 4/51 | L1 | TO  |
| 2205 |     | 599 | 642 | 1172 | 1310 | 674 | 676 |     | 389 | 377 | 365 | 45 |       |   | 7/50 | L1 | BMS |

Table 47. Bluefin from the Western Equatorial Pacific:  
Central Carolines

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Edge Vent. | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|------------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 2139         |        | 582         | 624                         | 1136                        | 1253                  | 649                      | 632                                | 550                    | 405             | 344               | 331         | 45            |                 |     | 7/50           | L1   | BMS      |
| 2239         | 463    | 631         | 661                         | 1185                        | 1373                  | 748                      | 675                                |                        | 405             | 423               | 428         | 51            |                 |     | 7/50           | L1   | BMS      |
| 2255         |        | 600         | 648                         | 1221                        | 1354                  | 696                      | 667                                | 578                    | 418             | 441               | 391         | 48            |                 |     | 6/50           | L1   | BMS      |

Table 48. Bluefin from the North Central Pacific  
Hawaiian Islands

|      |     |     |     |      |      |     |     |     |     |     |     |    |       |   |       |    |    |
|------|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-----|----|-------|---|-------|----|----|
| 1740 | 233 | 497 | 531 | 950  | 1069 | 540 | 560 | 450 | 335 | 268 | 251 | 44 | 12/24 | m | 10/50 | L1 | KY |
| 1902 | 376 | 542 | 589 | 1052 | 1184 | 600 | 577 | 534 | 333 | 241 | 236 | 48 |       |   | 9/51  | L1 | RS |

Table 49. Bluefin from the Northwestern Pacific Japan

|     |     |     |     |     |     |     |  |     |    |    |    |    |  |  |      |    |     |
|-----|-----|-----|-----|-----|-----|-----|--|-----|----|----|----|----|--|--|------|----|-----|
| 510 | 6.6 | 156 | 171 | 301 | 333 | 176 |  | 140 | 93 | 45 | 43 | 23 |  |  | 2/49 | Gn | FCC |
| 530 | 7.3 | 165 | 179 | 313 | 342 | 185 |  | 148 | 96 |    | 46 | 22 |  |  | 2/49 | Gn | FCC |
| 531 | 6.9 | 163 | 177 | 312 | 346 | 184 |  | 149 | 91 | 47 | 44 | 23 |  |  | 2/49 | Gn | FCC |
| 537 | 7.2 | 159 | 170 | 306 | 346 | 178 |  | 142 | 96 | 51 |    | 23 |  |  | 2/49 | L1 | FCC |

Table 50. Bluefin from the Southwestern Pacific: Australia  
(Frozen specimens measured in Honolulu)

|     |                  |     |     |     |     |     |  |     |     |     |    |    |       |   |       |  |    |
|-----|------------------|-----|-----|-----|-----|-----|--|-----|-----|-----|----|----|-------|---|-------|--|----|
| 659 | 14 $\frac{1}{2}$ | 207 | 223 | 381 | 410 | 233 |  | 184 | 145 | 74  | 69 | 29 | 10/23 |   | 12/49 |  | KE |
| 678 | 15               | 213 | 226 | 389 | 437 | 238 |  | 182 | 145 | 75  | 71 | 29 | 10/22 |   | 12/49 |  | KE |
| 680 | 14 $\frac{3}{4}$ | 208 | 226 | 397 | 437 | 242 |  | 184 | 145 | 73  | 73 | 31 | 11/23 |   | 12/49 |  | KE |
| 687 | 14 $\frac{1}{2}$ | 207 | 223 | 393 | 430 | 254 |  | 183 |     | 81  | 75 | 32 | 11/24 | f | 12/49 |  | KE |
| 687 | 14 $\frac{1}{2}$ | 217 | 230 | 399 | 453 | 261 |  | 185 | 145 | 72  |    | 32 | 11/23 |   | 12/49 |  | KE |
| 696 | 15               | 216 | 232 | 393 | 439 | 252 |  | 182 | 146 | 85  | 93 | 34 | 10/21 | m | 12/49 |  | KE |
| 697 | 16 $\frac{1}{2}$ | 217 | 222 | 454 | 391 | 269 |  | 191 | 155 | 82  |    |    | 10/22 |   | 12/49 |  | KE |
| 709 | 15 $\frac{3}{4}$ | 219 | 237 | 407 | 441 | 242 |  | 190 | 147 | 73  |    | 31 | 13/23 |   | 12/49 |  | KE |
| 709 | 16 $\frac{1}{2}$ | 220 | 224 | 397 | 455 | 272 |  | 187 | 155 | 70  | 84 | 30 | 10/22 |   | 12/49 |  | KE |
| 730 | 17 $\frac{1}{2}$ | 221 | 226 | 405 | 466 | 266 |  | 191 | 155 | 80  | 75 |    | 11/21 |   | 12/49 |  | KE |
| 734 | 18               | 220 | 241 | 422 | 460 | 258 |  | 187 | 160 | 99  | 86 | 31 | 12/23 |   | 12/49 |  | KE |
| 747 | 17               | 223 | 233 | 423 | 469 | 275 |  | 189 | 158 | 100 | 92 | 32 | 12/22 | m | 12/49 |  | KE |
| 754 | 18               | 231 | 242 | 429 | 474 | 281 |  | 193 | 152 | 86  |    | 30 | 11/22 |   | 12/49 |  | KE |



Table 51. Australian Northern Bluefin from the Northwestern Pacific:  
Southwestern Panay Island, Philippines\*

| Total Length | Head Length | Snout to Ins. 1st Dorsal | Snout to Ins. 2nd Dorsal | Snout to Ins. Anal | Snout to Ins. Ventral | Total Length | Head Length | Snout to Ins. 1st Dorsal | Snout to Ins. 2nd Dorsal | Snout to Ins. Anal | Snout to Ins. Ventral |
|--------------|-------------|--------------------------|--------------------------|--------------------|-----------------------|--------------|-------------|--------------------------|--------------------------|--------------------|-----------------------|
| 527          | 145         | 155                      | 281                      | 325                | 162                   | 580          | 157         | 173                      | 307                      | 343                | 175                   |
| 546          | 136         | 165                      | 289                      | 330                | 164                   | 591          | 154         | 167                      | 317                      | 356                | 176                   |
| 548          | 146         | 160                      | 295                      | 332                | 166                   | 605          | 162         | 186                      | 328                      | 370                | 182                   |
| 572          | 148         | 167                      | 302                      | 343                | 167                   | 618          | 171         | 184                      | 338                      | 397                | 184                   |
| 578          | 155         | 165                      | 297                      | 346                | 176                   | 722          | 190         | 207                      | 385                      | 423                | 218                   |

Table 52. Australian Northern Bluefin from the Northwestern Pacific:  
Northeastern Panay Island, Philippines\*

|     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 541 | 150 | 168 | 295 | 334 | 176 | 592 | 143 | 165 | 312 | 350 | 155 |
| 558 | 147 | 153 | 288 | 335 | 160 | 593 | 145 | 153 | 301 | 340 | 170 |
| 558 | 160 | 166 | 300 | 344 | 182 | 594 | 159 | 165 | 300 | 355 | 181 |
| 565 | 150 | 157 | 300 | 340 | 165 | 599 | 158 | 170 | 305 | 345 | 180 |
| 568 | 152 | 150 | 296 | 342 | 172 | 599 | 161 | 170 | 302 | 356 | 180 |
| 570 | 142 | 160 | 294 | 334 | 165 | 603 | 163 | 183 | 314 | 360 | 183 |
| 570 | 145 | 152 | 291 | 333 | 162 | 605 | 169 | 182 | 324 | 365 | 192 |
| 570 | 147 | 168 | 308 | 338 | 168 | 608 | 155 | 168 | 314 | 358 | 177 |
| 571 | 161 | 176 | 307 | 340 | 176 | 608 | 160 | 166 | 325 | 363 | 180 |
| 572 | 161 | 172 | 300 | 340 | 182 | 608 | 164 | 178 | 312 | 362 | 185 |
| 575 | 151 | 172 | 300 | 340 | 172 | 610 | 150 | 172 | 326 | 360 | 174 |
| 577 | 160 | 171 | 301 | 352 | 180 | 610 | 154 | 168 | 315 | 362 | 170 |
| 580 | 140 | 160 | 312 | 345 | 163 | 611 | 163 | 175 | 330 | 372 | 181 |
| 580 | 151 | 160 | 310 | 346 | 165 | 612 | 158 | 172 | 320 | 365 | 180 |
| 580 | 152 | 160 | 325 | 345 | 172 | 624 | 172 | 185 | 326 | 371 | 188 |
| 581 | 140 | 157 | 306 | 336 | 170 | 628 | 182 | 188 | 342 | 377 | 197 |
| 585 | 146 | 160 | 306 | 350 | 166 | 634 | 163 | 180 | 342 | 376 | 180 |
| 585 | 150 | 161 | 304 | 350 | 150 | 635 | 166 | 180 | 322 | 366 | 190 |
| 585 | 153 | 155 | 307 | 354 | 170 | 636 | 171 | 179 | 331 | 372 | 191 |
| 585 | 158 | 172 | 322 | 345 | 170 | 639 | 177 | 197 | 340 | 382 | 200 |
| 586 | 146 | 163 | 310 | 345 | 165 | 647 | 166 | 182 | 332 | 365 | 187 |
| 586 | 156 | 166 | 300 | 342 | 174 | 652 | 170 | 183 | 335 | 392 | 190 |
| 586 | 160 | 165 | 308 | 356 | 180 | 665 | 180 | 181 | 345 | 397 | 205 |
| 587 | 145 | 162 | 300 | 342 | 162 | 671 | 186 | 193 | 355 | 409 | 214 |
| 587 | 164 | 171 | 310 | 350 | 180 | 694 | 175 | 188 | 350 | 395 | 200 |

\*From the Philippine Bureau of Fisheries

Table 53. Australian Northern Bluefin from the Northwestern Pacific:  
Batangas Province, Luzon, Philippines\*

| Total Length | Head Length | Snout to Ins. 1st Dorsal | Snout to Ins. 2nd Dorsal | Snout to Ins. Anal | Snout to Ins. Ventral | Total Length | Head Length | Snout to Ins. 1st Dorsal | Snout to Ins. 2nd Dorsal | Snout to Ins. Anal | Snout to Ins. Ventral |
|--------------|-------------|--------------------------|--------------------------|--------------------|-----------------------|--------------|-------------|--------------------------|--------------------------|--------------------|-----------------------|
| 502          | 138         | 154                      | 278                      | 309                | 153                   | 544          | 149         | 155                      | 295                      | 331                | 169                   |
| 513          | 138         | 150                      | 273                      | 314                | 159                   | 544          | 151         | 162                      | 290                      | 321                | 162                   |
| 516          | 140         | 155                      | 279                      | 316                | 159                   | 545          | 152         | 163                      | 291                      | 334                | 171                   |
| 521          | 140         | 151                      | 272                      | 311                | 153                   | 557          | 152         | 157                      | 284                      | 330                | 169                   |
| 522          | 142         | 151                      | 275                      | 316                | 165                   | 561          | 155         | 170                      | 294                      | 342                | 170                   |
| 530          | 146         | 152                      | 280                      | 319                | 161                   | 566          | 154         | 157                      | 293                      | 337                | 176                   |
| 538          | 150         | 159                      | 283                      | 323                | 166                   | 573          | 158         | 165                      | 300                      | 348                | 175                   |
| 540          | 154         | 159                      | 285                      | 327                | 174                   | 576          | 154         | 163                      | 303                      | 352                | 179                   |
| 542          | 147         | 165                      | 293                      | 324                | 165                   | 588          | 159         | 173                      | 304                      | 341                | 178                   |
| 543          | 150         | 149                      | 278                      | 325                | 173                   | 623          | 158         | 180                      | 331                      | 374                | 191                   |
|              |             |                          |                          |                    |                       | 721          | 183         | 203                      | 369                      | 422                | 217                   |

Table 54. Australian Northern Bluefin from the Northwestern Pacific:  
Ragay Gulf, Bicol Peninsula, Luzon\*

|     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 381 | 106 | 118 | 201 | 226 | 118 | 536 | 146 | 158 | 280 | 334 | 165 |
| 385 | 106 | 115 | 203 | 231 |     | 537 | 143 | 153 | 278 | 325 | 161 |
| 388 | 109 | 115 | 207 | 236 | 120 | 537 | 151 | 159 | 286 | 318 | 166 |
| 400 | 109 | 114 | 211 | 240 | 122 | 539 | 145 | 156 | 275 | 320 | 159 |
| 504 | 142 | 152 | 267 | 304 | 159 | 541 | 147 | 158 | 278 | 320 | 165 |
| 508 | 141 | 148 | 267 | 311 | 160 | 543 | 143 | 162 | 285 | 322 | 163 |
| 517 | 142 | 160 | 280 | 316 | 160 | 543 | 151 | 163 | 283 | 322 | 166 |
| 518 | 147 | 155 | 281 | 314 | 159 | 545 | 152 | 153 | 282 | 329 | 167 |
| 518 | 147 | 158 | 272 | 312 | 166 | 549 | 150 | 163 | 282 | 327 | 167 |
| 520 | 146 | 158 | 285 | 325 | 166 | 550 | 144 | 158 | 289 | 332 | 162 |
| 523 | 145 | 152 | 276 | 309 | 165 | 550 | 152 | 164 | 285 | 327 | 166 |
| 526 | 147 | 154 | 272 | 312 | 162 | 551 | 147 | 160 | 292 | 332 | 168 |
| 530 | 146 | 152 | 281 | 317 | 161 | 554 | 151 | 165 | 294 | 331 | 169 |
| 531 | 149 | 161 | 281 | 322 | 167 | 555 | 148 | 162 | 288 | 330 | 171 |
| 532 | 147 | 156 | 276 | 338 | 163 | 562 | 149 | 162 | 295 | 337 | 170 |
| 532 | 148 | 156 | 282 | 326 | 170 | 562 | 154 | 168 | 302 | 340 | 172 |
| 533 | 148 | 161 | 281 | 322 | 167 | 567 | 151 | 164 | 287 | 331 | 176 |
| 533 | 153 | 157 | 282 | 325 | 171 | 582 | 154 | 167 | 307 | 349 | 171 |

Table 55. Australian Northern Bluefin from the Northwestern Pacific:  
South Sulu Sea, Philippines\*

|     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 447 | 129 | 134 | 244 | 271 | 148 | 480 | 140 | 148 | 262 | 291 | 150 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|

\* From the Philippine Bureau of Fisheries

Table 56. Skipjack from the Eastern Equatorial Pacific:  
120° West Longitude

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Edge Vent | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Code | Examiner |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|-----------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 764          | 22     | 225         | 257                         | 478                         | 513                   | 247                      | 250                               | 187                    | 127             | 82                | 78          | 30            |                 |     | 10/52          | L1   | TSH      |
| 776          | 24     | 231         | 256                         | 486                         | 523                   | 258                      | 257                               | 190                    | 123             | 83                | 80          | 28            | 20/40           | f   | 10/52          |      | TSH      |
| 789          | 24     | 239         | 264                         | 490                         | 531                   | 262                      | 264                               | 182                    | 133             | 99                | 93          | 28            |                 |     | 10/52          | L1   | GIM      |

Table 57. Skipjack from the Central Equatorial Pacific:  
130° West Longitude

|     |                  |     |     |     |     |     |     |     |     |    |    |    |       |   |       |    |     |
|-----|------------------|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|-------|---|-------|----|-----|
| 653 | 13               | 200 | 220 | 412 | 442 | 221 | 220 | 152 | 107 | 71 | 68 | 26 | 17/36 |   | 11/52 | L1 |     |
| 667 | 14 $\frac{1}{2}$ | 200 | 233 | 414 | 451 | 219 | 219 | 162 | 108 | 76 | 72 | 26 | 21/38 | m | 11/52 | L1 | TSH |
| 678 | 16 $\frac{1}{2}$ | 200 | 230 | 422 | 452 | 224 | 221 | 172 | 120 | 77 | 76 | 21 |       |   | 11/52 | L1 | TSH |
| 680 | 15               | 203 | 233 | 435 | 457 | 222 | 233 | 163 | 112 | 75 | 74 | 23 | 20/36 | m | 11/52 | L1 |     |
| 684 | 16               | 206 | 233 | 424 | 457 | 230 | 219 | 156 | 113 | 70 | 65 | 27 | 20/39 | m | 11/52 | L1 | TSH |
| 731 | 20               | 228 | 255 | 469 | 506 | 253 | 247 | 177 | 126 | 80 | 79 | 27 |       |   | 11/52 | L1 | TSH |
| 761 | 21               | 234 | 261 | 474 | 517 | 262 | 252 | 182 | 126 | 82 | 85 | 27 |       |   | 11/52 | L1 | GIM |
| 791 | 24               | 248 | 274 | 495 | 544 | 281 | 250 | 181 | 131 | 86 | 85 | 31 | 19/42 | f | 11/52 | L1 | TSH |
| 802 | 25               | 235 | 275 | 505 | 545 | 286 | 253 | 190 | 128 | 91 | 84 | 29 |       | m | 11/52 | L1 | TSH |
| 812 | 26 $\frac{1}{2}$ | 247 | 284 | 513 | 548 | 275 | 262 | 197 | 136 | 90 | 92 | 31 |       |   | 11/52 | L1 | TSH |
| 817 | 26               | 246 | 266 | 501 | 552 | 300 | 276 | 200 | 137 | 89 | 88 | 30 | 20/37 | m | 11/52 | L1 | GIM |

Table 58. Skipjack from the Central Equatorial Pacific:  
140° West Longitude

|     |    |     |     |     |     |     |     |     |     |    |    |    |       |   |      |    |     |
|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|-------|---|------|----|-----|
| 531 |    | 162 | 182 | 327 | 369 | 196 | 181 | 131 | 79  | 51 | 47 | 24 | 18/40 | m | 5/52 |    | JEK |
| 703 |    | 211 | 241 | 437 | 475 | 233 | 231 | 183 | 107 | 78 | 70 | 23 | 18/37 | f | 6/52 | Tr | DTY |
| 722 |    | 214 | 241 | 451 | 485 | 232 | 250 | 192 | 116 | 76 | 74 | 27 | 19/40 | f | 8/52 | L1 | WMM |
| 723 |    | 215 | 243 | 450 | 483 | 233 | 234 | 185 | 118 | 84 | 81 | 25 | 18/38 | f | 6/52 | Tr | DTY |
| 747 |    | 224 | 254 | 469 | 509 | 251 | 255 | 193 | 121 | 82 | 78 | 27 | 20/39 | f | 8/52 | L1 | WMM |
| 748 | 20 | 224 | 246 | 462 | 503 | 253 | 247 | 182 | 125 | 86 | 85 | 24 |       | m | 9/52 |    | RS  |
| 757 |    | 225 | 256 | 474 | 514 | 250 | 256 | 194 | 119 | 81 | 82 | 28 | 20/40 | f | 9/52 | L1 | WMM |
| 758 |    | 231 | 259 | 479 | 517 | 261 |     | 194 | 128 | 86 | 83 | 29 | 19/42 | f | 8/52 | L1 | WMM |
| 773 |    | 237 | 268 | 492 | 530 | 262 | 263 |     | 127 | 86 | 80 | 27 | 19/38 | m | 9/52 | L1 | DLM |
| 788 |    | 243 | 271 | 497 | 532 | 260 | 263 | 228 | 130 | 93 | 90 | 30 | 21/40 | m | 9/52 | L1 | WMM |

Table 58. Skipjack from the Central Equatorial Pacific:  
140° West Longitude (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Edge Vent | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|-----------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 789          | 25 1/4 | 240         | 264                         | 492                         | 530                   | 263                      | 251                               | 202                    | 133             | 91                | 92          | 30            | 19/38           | m   | 9/52           | L1   | WMM      |
| 792          |        | 241         | 269                         | 498                         | 535                   | 268                      | 259                               | 201                    | 136             | 93                | 88          | 31            |                 | f   | 9/52           | L1   | WFR      |
| 795          |        | 241         | 273                         | 507                         | 542                   | 265                      | 272                               | 203                    | 149             | 87                | 85          | 30            | 20/41           | f   | 8/52           | L1   | WMM      |
| 796          |        | 245         | 278                         | 504                         | 544                   | 275                      | 288                               | 208                    | 142             | 90                | 85          | 29            | 20/39           | f   | 9/52           | L1   | DLM      |
| 797          |        | 245         | 270                         | 497                         | 535                   | 272                      | 254                               | 200                    | 137             | 96                | 91          | 28            | 19/38           | m   | 9/52           | L1   | WMM      |
| 798          |        | 244         | 275                         | 499                         | 544                   | 272                      | 262                               | 203                    | 132             | 92                | 89          | 23            | 39/20           | f   | 8/52           | L1   | DLM      |
| 801          |        | 239         | 267                         |                             | 534                   | 263                      | 266                               | 191                    | 126             | 91                | 85          | 30            | 20/38           | f   | 9/52           | L1   | WMM      |
| 802          |        | 240         | 266                         |                             | 545                   | 263                      | 273                               | 202                    | 133             |                   | 83          | 31            | 18/40           | m   | 9/52           | L1   | WMM      |
| 802          |        | 245         | 278                         | 502                         | 536                   | 270                      | 260                               | 197                    | 127             | 91                | 83          | 29            | 20/40           | f   | 9/52           | L1   | DLM      |
| 804          |        | 237         | 269                         | 502                         | 541                   | 268                      | 264                               | 210                    | 132             | 96                | 95          | 27            | 19/36           | m   | 9/52           | L1   | DLM      |
| 805          | 23 1/2 | 241         | 269                         | 504                         | 549                   | 269                      | 278                               | 196                    | 132             | 89                | 86          | 29            |                 | f   | 9/52           | L1   | RS       |
| 808          | 24 1/2 | 239         | 275                         | 495                         | 539                   | 268                      | 261                               | 196                    | 137             |                   | 87          | 29            |                 | f   | 9/52           |      | WFR      |
| 810          | 31 1/2 | 246         | 277                         | 508                         | 549                   | 269                      | 272                               | 210                    | 138             | 90                | 93          | 30            |                 | m   | 8/52           | L1   | RS       |
| 810          |        | 252         | 278                         | 516                         | 555                   | 276                      | 270                               | 208                    | 130             | 88                | 89          | 30            | 18/38           | f   | 9/52           | L1   | WMM      |
| 819          |        | 250         | 272                         | 508                         | 555                   | 278                      | 271                               | 205                    | 132             | 96                | 89          |               | 21/38           | m   | 8/52           | L1   | DLM      |
| 820          |        | 255         | 281                         | 522                         | 559                   | 278                      | 278                               | 202                    | 146             | 96                | 96          | 33            | 20/41           | m   | 9/52           | L1   | WMM      |

Table 59. Skipjack from the Central Equatorial Pacific:  
Eastern Line Islands

|     |     |     |     |     |     |     |     |    |    |    |    |       |   |  |       |    |     |
|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|-------|---|--|-------|----|-----|
| 357 | 101 | 120 | 219 | 236 | 115 | 123 | 85  | 48 | 28 | 25 | 15 | 20/39 |   |  | 9/52  | L1 | DLM |
| 471 | 138 | 154 | 287 | 314 | 153 | 148 | 114 | 68 | 44 | 39 | 22 | 17/39 | m |  | 6/51  | P1 | FCJ |
| 494 | 148 | 168 | 309 | 340 | 168 | 166 | 126 | 78 | 50 | 44 | 22 | 20/43 | f |  | 6/51  | P1 | FCJ |
| 496 | 147 | 170 | 302 | 325 | 165 | 151 | 123 | 75 | 49 | 45 | 23 | 19/40 | f |  | 6/51  | P1 | FCJ |
| 503 | 154 | 169 | 309 | 333 | 164 | 161 | 127 | 75 | 49 | 47 | 23 | 19/39 | m |  | 6/51  | P1 | FCJ |
| 509 | 152 | 175 | 316 | 343 | 169 | 168 | 127 | 75 | 48 | 45 | 23 | 18/42 | f |  | 6/51  | P1 | FCJ |
| 518 | 155 | 177 | 322 | 342 | 172 | 157 | 128 | 81 | 54 | 47 | 22 | 17/38 | f |  | 6/51  | P1 | FCJ |
| 520 | 158 | 178 | 325 | 357 | 185 | 174 | 129 | 88 | 48 | 46 |    |       |   |  | 11/50 | Tr | FCC |
| 529 | 157 | 180 | 318 | 347 | 169 | 168 | 137 |    | 58 | 54 | 22 | 17/39 | m |  | 6/51  | P1 | FCJ |
| 530 | 159 | 179 | 327 | 362 | 178 | 174 | 134 | 87 | 57 | 50 | 25 | 20/42 | f |  | 6/51  | P1 | FCJ |

Table 59. Skipjack from the Central Equatorial Pacific:  
Eastern Line Islands (Continued)

| Total Length | Weight           | Head length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Edge Vent | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|------------------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|-----------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 534          |                  | 157         | 182                         | 326                         | 353                   | 170                      | 173                               | 133                    | 83              | 55                | 51          | 23            | 19/43           | m   | 6/51           | P1   | FCJ      |
| 534          |                  | 163         | 182                         | 336                         | 362                   | 183                      | 169                               | 129                    | 87              | 57                | 54          | 26            | 20/39           | m   | 6/51           | P1   | FCJ      |
| 544          |                  | 163         | 187                         | 341                         | 370                   | 185                      | 178                               | 141                    | 84              | 57                | 56          | 24            | 17/42           | m   | 6/51           | P1   | FCJ      |
| 553          |                  | 164         | 185                         | 345                         | 378                   | 183                      | 188                               | 145                    | 87              | 55                | 56          | 25            | 18/39           | f   | 6/51           | P1   | FCJ      |
| 570          |                  | 175         | 192                         | 353                         | 388                   | 195                      | 184                               | 143                    | 90              | 58                | 55          | 25            | 19/40           | m   | 6/51           | P1   | FCJ      |
| 577          |                  | 166         | 191                         | 359                         | 386                   | 183                      | 193                               | 152                    |                 | 62                | 56          | 24            | 18/40           | m   | 6/51           | P1   | FCJ      |
| 577          |                  | 173         | 199                         | 358                         | 387                   | 195                      | 183                               | 150                    | 93              | 61                | 59          | 25            | 17/38           | m   | 6/51           | P1   | FCJ      |
| 594          |                  | 176         | 203                         | 368                         | 396                   | 195                      | 191                               | 150                    | 95              | 64                | 61          | 26            | 20/43           | m   | 6/51           | P1   | FCJ      |
| 608          |                  | 186         | 208                         | 378                         | 413                   | 204                      | 199                               | 151                    | 100             | 65                | 63          | 26            | 17/38           | f   | 6/51           | P1   | FCJ      |
| 610          |                  | 184         | 209                         | 376                         | 409                   | 207                      | 205                               | 147                    | 100             | 67                | 66          | 26            | 21/42           | f   | 6/51           | P1   | FCJ      |
| 613          |                  | 185         | 210                         | 380                         | 405                   | 200                      | 193                               | 156                    | 97              | 69                | 63          | 27            | 19/42           | m   | 6/51           | P1   | FCJ      |
| 615          |                  | 185         | 204                         | 380                         | 410                   | 203                      | 193                               | 157                    | 102             | 66                | 64          | 26            | 17/39           | m   | 6/51           | P1   | FCJ      |
| 624          |                  | 190         | 217                         | 388                         | 421                   | 207                      | 205                               | 159                    | 94              | 64                | 62          | 27            | 19/40           | m   | 6/51           | P1   | FCJ      |
| 630          |                  | 190         | 218                         | 396                         | 423                   | 210                      | 204                               | 158                    | 99              | 69                | 60          | 27            | 19/41           | m   | 6/51           | P1   | FCJ      |
| 654          |                  | 194         | 221                         | 406                         | 432                   | 206                      | 212                               | 163                    | 109             | 76                | 71          | 26            | 19/39           | m   | 6/51           | P1   | FCJ      |
| 679          | 13 $\frac{1}{2}$ | 209         | 238                         | 413                         | 448                   | 230                      | 212                               | 163                    | 108             | 75                | 73          | 27            |                 | m   | 9/51           | L1   | TC       |
| 690          |                  | 204         | 229                         | 433                         | 466                   | 221                      | 233                               | 172                    |                 | 70                | 69          | 26            |                 | f   | 8/52           | L1   | WFR      |
| 695          | 16 $\frac{1}{2}$ | 211         | 237                         | 429                         | 472                   | 232                      | 228                               | 176                    | 113             | 78                | 75          | 29            |                 | f   | 9/51           | L1   | TC       |
| 700          | 16               | 216         | 242                         | 439                         | 465                   | 241                      | 220                               | 172                    | 121             | 81                | 81          | 27            |                 | m   | 9/51           | L1   | TC       |
| 706          | 18               | 219         | 250                         | 449                         | 475                   | 246                      | 229                               | 180                    | 112             | 80                | 74          | 27            |                 | m   | 9/51           | L1   | III      |
| 736          |                  | 221         | 241                         | 459                         | 503                   | 250                      | 482                               | 179                    |                 | 77                | 75          |               | 20/40           | m   | 10/50          | L1   | FCC      |
| 736          | 21 $\frac{1}{2}$ | 223         | 246                         | 456                         | 496                   | 245                      | 244                               | 183                    | 120             | 92                | 80          | 28            |                 | f   | 9/51           | L1   | III      |
| 737          | 21               | 219         | 255                         | 459                         | 483                   | 237                      | 237                               | 192                    | 123             | 33                | 79          | 27            |                 | f   | 9/51           | L1   | TC       |
| 740          | 20               | 224         | 244                         | 455                         | 499                   | 260                      | 245                               | 193                    | 120             | 89                | 86          | 29            |                 | m   | 9/51           | L1   | TC       |
| 742          | 20               | 223         | 259                         | 462                         | 497                   | 247                      | 244                               | 181                    | 136             | 95                | 89          | 30            | 18/37           | f   | 2/50           | Tr   | JWR      |
| 743          | 20               | 226         | 258                         | 469                         | 506                   | 248                      | 249                               | 191                    | 128             | 89                | 83          | 27            |                 | m   | 9/51           | L1   | III      |
| 746          |                  | 224         | 249                         | 469                         | 505                   | 246                      | 248                               | 188                    | 119             | 82                | 79          | 29            | 19/38           | m   | 9/52           | L1   | WMM      |
| 748          | 25               | 228         | 255                         | 470                         | 509                   | 247                      | 254                               | 187                    | 121             | 83                | 86          | 28            |                 | f   | 11/52          | L1   | III      |
| 750          | 21               | 225         | 258                         | 470                         | 503                   | 247                      | 247                               | 192                    | 123             | 84                | 77          | 29            |                 | f   | 9/51           | L1   | TC       |
| 751          | 21               | 232         | 258                         | 471                         | 512                   | 263                      | 249                               | 187                    | 128             | 91                | 84          | 29            |                 | f   | 9/51           | L1   | III      |

Table 59. Skipjack from the Central Equatorial Pacific:  
Eastern Line Islands (Continued)

| Total Length | Weight                       | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Edge Vent | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter I <sub>13</sub> | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|------------------------------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|-----------------------------------|------------------------|-----------------|-------------------|-------------|--------------------------|-----------------|-----|----------------|------|----------|
| 753          | 22                           | 230         | 263                         | 472                         | 510                   | 257                      | 245                               | 195                    | 128             | 90                | 86          | 29                       | 19/38           | m   | 9/51           | L1   | TC       |
| 754          | 20                           | 227         | 261                         | 465                         | 499                   | 251                      | 244                               | 185                    | 123             | 86                | 85          | 28                       |                 | m   | 11/52          | L1   | III      |
| 754          | 22                           | 223         | 252                         | 461                         | 501                   | 251                      | 245                               | 192                    | 121             | 90                | 90          | 26                       |                 | f   | 9/51           | L1   | III      |
| 754          | 23                           | 231         | 252                         | 471                         | 515                   | 262                      | 252                               | 195                    | 125             | 91                | 83          | 28                       |                 | f   | 9/51           | L1   | TC       |
| 757          | 21                           | 230         | 256                         | 468                         | 512                   | 260                      | 249                               | 191                    | 131             | 91                | 93          | 30                       |                 | m   | 2/50           | Tr   | MBS      |
| 760          | 23                           | 225         | 262                         | 475                         | 517                   | 251                      | 253                               | 190                    | 126             | 84                | 83          | 27                       | 20/37           | f   | 9/51           | L1   | III      |
| 760          | 23                           | 231         | 245                         | 470                         | 520                   | 279                      | 242                               | 195                    | 125             | 90                | 86          | 28                       |                 | m   | 9/51           | L1   | TC       |
| 763          | 22                           | 229         | 255                         | 475                         | 511                   | 252                      | 248                               |                        | 121             | 85                | 81          | 28                       |                 | f   | 9/51           | L1   | TC       |
| 766          |                              | 226         | 247                         | 473                         | 511                   | 252                      |                                   | 191                    | 118             | 80                | 84          |                          |                 | m   | 1/51           | Tr   | JEK      |
| 768          | 23                           | 240         | 266                         | 491                         | 526                   | 264                      | 249                               | 198                    | 128             | 85                | 82          | 30                       |                 | f   | 11/52          |      |          |
| 770          | 22                           | 227         | 262                         | 481                         | 517                   | 250                      | 253                               | 192                    | 125             | 83                | 79          | 29                       | 20/37           | m   | 2/52           | L1   | RS       |
| 774          | 24                           | 242         | 268                         | 483                         | 525                   | 270                      | 250                               | 193                    | 132             | 93                | 90          | 30                       |                 | m   | 11/52          | L1   | III      |
| 775          |                              | 234         | 259                         | 489                         | 529                   | 257                      | 265                               | 200                    | 129             | 89                | 91          | 30                       |                 | m   | 9/52           | L1   | WMM      |
| 778          |                              | 233         | 265                         | 478                         | 534                   | 270                      | 268                               | 190                    | 124             | 94                | 90          |                          |                 | f   | 11/50          | L1   | DHB      |
| 781          | 22                           | 223         | 220                         | 450                         | 497                   | 255                      | 240                               | 183                    | 122             | 90                | 85          | 27                       |                 | f   | 9/51           | L1   | III      |
| 784          | 21                           | 246         | 277                         | 501                         | 539                   | 268                      | 267                               | 205                    | 125             | 90                | 87          | 29                       | 22/38           | m   | 11/52          | L1   | III      |
| 786          | 22                           | 235         | 264                         | 487                         | 529                   | 270                      | 255                               | 190                    | 130             | 84                | 80          | 30                       |                 | f   | 8/52           | L1   | RS       |
| 786          | 23                           | 239         | 264                         | 493                         | 525                   | 264                      | 256                               | 192                    | 132             | 94                | 92          | 30                       |                 | m   | 11/52          | L1   | III      |
| 786          | 23                           | 244         | 279                         | 507                         | 542                   | 263                      | 263                               | 194                    | 125             | 94                | 92          | 30                       |                 | f   | 10/52          |      | TO       |
| 791          | 24                           | 242         | 275                         | 498                         | 531                   | 268                      | 255                               | 198                    | 127             | 99                | 93          | 30                       |                 | f   | 11/52          |      | III      |
| 795          | 24                           | 245         | 267                         | 493                         | 541                   | 287                      | 255                               | 192                    | 134             | 88                | 90          | 30                       | 20/41           | f   | 11/52          | L1   | III      |
| 797          | 25                           | 242         | 266                         | 498                         | 536                   | 271                      | 261                               | 184                    | 123             | 92                | 89          | 30                       |                 | f   | 11/52          | L1   | III      |
| 799          | 23 <sup>1</sup> <sub>2</sub> | 242         | 267                         | 502                         | 549                   | 293                      | 265                               | 200                    | 131             | 87                | 85          | 28                       |                 | f   | 8/52           | L1   | RS       |
| 801          | 23                           | 241         | 265                         | 498                         | 542                   | 265                      |                                   | 194                    | 130             | 97                | 94          | 30                       |                 | m   | 11/52          | L1   | III      |
| 801          | 25                           | 243         | 267                         | 499                         | 537                   | 264                      | 261                               | 199                    | 134             | 93                | 89          | 30                       |                 | m   | 10/52          |      | TO       |
| 801          | 26                           | 244         | 275                         | 507                         | 547                   | 266                      | 269                               | 200                    | 129             | 95                | 91          | 29                       | 20/41           | m   | 11/52          | L1   | TO       |
| 803          | 24                           | 243         | 265                         | 495                         | 546                   | 283                      | 256                               | 189                    | 125             | 96                | 95          | 32                       |                 | f   | 11/52          | L1   | III      |
| 803          | 25                           | 245         | 272                         | 498                         | 541                   | 278                      | 257                               | 191                    | 130             | 93                | 89          | 31                       |                 | m   | 11/52          | L1   | III      |
| 805          | 27                           | 245         | 273                         | 508                         | 547                   | 279                      | 253                               | 198                    | 141             | 103               | 92          | 30                       |                 | m   | 11/52          | L1   | III      |
| 808          | 24                           | 240         | 275                         | 506                         | 543                   | 265                      | 265                               | 198                    | 131             | 92                | 91          | 29                       |                 | f   | 2/52           |      | TO       |

Table 59. Skipjack from the Central Equatorial Pacific:  
Eastern Line Islands (Continued)

| Total Length | Weight                         | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Edge Vent. | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers                | Sex | Month and Year | Gear | Examiner |
|--------------|--------------------------------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|------------------------------------|------------------------|-----------------|-------------------|-------------|---------------|--------------------------------|-----|----------------|------|----------|
| 811          | 26 <sup>1</sup> / <sub>2</sub> | 252         | 283                         | 506                         | 545                   | 279                      | 260                                | 213                    | 137             | 99                | 96          | 30            |                                | m   | 8/52           | L1   | RS       |
| 812          | 29                             | 245         | 278                         | 514                         | 555                   | 271                      | 272                                | 214                    | 135             | 97                | 92          | 29            |                                | m   | 2/52           |      | TO       |
| 814          | 27                             | 240         | 260                         | 501                         | 554                   | 288                      | 270                                | 199                    | 130             | 103               | 95          | 31            |                                | m   | 9/51           | L1   | III      |
| 818          | 29                             | 246         | 276                         | 515                         | 558                   | 270                      | 274                                | 207                    | 133             | 100               | 94          | 29            |                                | f   | 2/52           |      | TO       |
| 818          | 30                             | 242         | 271                         | 500                         | 546                   | 282                      |                                    | 211                    | 133             | 91                | 85          | 31            |                                | m   | 2/48           | Tr   | MBS      |
| 821          |                                | 257         | 289                         | 518                         | 557                   | 281                      | 271                                | 206                    | 136             | 99                | 94          | 31            | 19 <sup>1</sup> / <sub>2</sub> | m   | 9/52           | L1   | DLM      |

Table 60. Skipjack from the Central Equatorial Pacific:  
Western Line Islands

|     |     |     |     |     |     |     |     |     |     |     |    |    |                                |   |       |    |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|--------------------------------|---|-------|----|-----|
| 463 | 4   | 142 | 157 | 292 | 319 | 158 |     | 109 | 66  | 43  | 39 | 24 | 16 <sup>1</sup> / <sub>2</sub> | m | 3/48  | Tr | ORS |
| 466 | 4   | 139 | 157 | 294 | 317 | 158 |     | 110 | 72  | 42  | 36 | 21 | 17 <sup>1</sup> / <sub>2</sub> | f | 3/48  | Tr | ORS |
| 530 |     | 166 | 184 | 326 | 360 | 191 | 174 | 128 | 89  | 55  | 54 | 25 | 18 <sup>1</sup> / <sub>2</sub> | f | 11/50 | Tr | JWR |
| 533 | 6.5 |     |     |     |     |     |     | 132 | 76  | 49  | 47 | 25 | 17 <sup>1</sup> / <sub>2</sub> | m | 3/48  | Tr | ORS |
| 545 |     | 168 | 190 | 334 | 366 | 185 | 181 | 135 | 91  | 55  | 59 | 24 | 18 <sup>1</sup> / <sub>2</sub> | m | 11/50 | Tr | JWR |
| 551 | 7.5 | 169 | 191 | 346 | 363 | 183 |     | 139 | 80  | 50  | 50 | 26 | 20 <sup>1</sup> / <sub>2</sub> | f | 2/48  |    | MBS |
| 583 |     | 179 | 199 | 364 | 391 | 200 | 187 | 143 | 96  | 60  | 58 |    |                                | m | 11/50 | L1 | FCC |
| 593 |     | 180 | 201 | 374 | 397 | 202 | 193 | 145 |     | 61  | 60 |    |                                | m | 11/50 | L1 | FCC |
| 614 | 11  | 194 | 217 | 386 | 425 | 229 | 199 | 158 | 101 | 65  | 57 | 28 | 19 <sup>1</sup> / <sub>2</sub> | m | 1/53  | L1 | DC  |
| 652 |     | 197 | 221 | 407 | 439 | 220 | 220 | 160 | 107 | 71  | 72 | 26 | 19 <sup>1</sup> / <sub>2</sub> | f | 11/50 | Tr | TJR |
| 650 |     | 204 | 223 | 409 | 446 | 236 | 212 | 157 | 104 | 72  | 71 | 23 | 19 <sup>1</sup> / <sub>2</sub> | m | 11/50 | Tr | TJR |
| 686 |     | 200 | 226 | 421 | 453 | 220 | 226 | 168 | 109 | 74  | 73 | 25 | 20 <sup>1</sup> / <sub>2</sub> | m | 11/50 | Tr | TJR |
| 728 |     | 219 | 248 | 448 | 497 | 234 | 234 | 186 | 115 | 74  | 77 | 28 | 19 <sup>1</sup> / <sub>2</sub> | f | 11/50 | Tr | TJR |
| 767 | 24  | 236 | 265 | 490 | 521 | 255 |     | 201 | 123 | 90  | 90 | 29 | 20 <sup>1</sup> / <sub>2</sub> | f | 2/48  |    | MBS |
| 782 | 23  | 239 | 263 | 488 | 542 | 281 |     | 196 | 120 | 95  | 90 | 29 | 19 <sup>1</sup> / <sub>2</sub> | f | 2/48  |    | MBS |
| 786 | 25  | 234 | 270 | 493 | 535 | 261 |     | 198 | 130 | 90  | 87 | 28 | 20 <sup>1</sup> / <sub>2</sub> | f | 2/48  |    | MBS |
| 795 | 25  | 243 | 273 | 505 | 540 | 270 |     | 194 | 130 | 100 | 93 | 29 | 20 <sup>1</sup> / <sub>2</sub> | m | 2/48  |    | MBS |

Table 61. Skipjack from the Central Equatorial Pacific:  
Phoenix Islands

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Anal Edge Vent | Greatest Body<br>Depth | Length Petiole | Height 2nd Dorsal | Height Anal | Diameter Iliac | No. Gill Rakers | Sex | Month and Year | Geck | Examiner |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|-----------------------------------|------------------------|----------------|-------------------|-------------|----------------|-----------------|-----|----------------|------|----------|
| 480          | 4      | 140         | 158                         | 286                         | 323                   | 171                      | 165                               | 112                    | 71             | 47                | 44          | 22             | 18/40           | f   | 7/50           | Tr   | KY       |
| 481          | 5      | 145         | 159                         | 291                         | 320                   | 158                      | 164                               | 121                    | 71             | 47                | 44          | 22             | 20/41           | f   | 2/50           | Tr   | JWR      |
| 500          | 5.5    | 155         | 172                         | 305                         | 333                   | 170                      | 180                               | 124                    | 84             | 55                | 55          | 24             | 18/37           | m   | 7/50           | Tr   | KY       |
| 529          | 6      | 163         | 183                         | 322                         | 351                   | 183                      | 179                               | 127                    | 84             | 60                | 55          | 25             | 21/41           | m   | 7/50           | Tr   | KY       |
| 549          | 7      | 159         | 187                         | 333                         | 366                   | 171                      | 199                               | 129                    | 84             | 58                | 51          | 23             |                 |     | 8/50           | Pl   | KY       |
| 578          | 5      | 179         | 207                         | 368                         | 395                   | 198                      | 192                               | 139                    | 94             | 61                | 59          | 27             | 19/38           | m   | 11/52          | L1   | III      |
| 609          | 10     | 183         | 207                         | 373                         | 403                   | 208                      | 211                               | 145                    | 98             | 65                | 62          | 26             |                 |     | 8/50           |      | KY       |
| 657          | 12 1/2 | 197         | 215                         | 393                         | 444                   | 236                      | 231                               | 161                    | 103            | 73                | 70          | 28             | 18/37           | f   | 2/50           | Tr   | JWR      |
| 666          | 13     | 201         | 222                         | 409                         | 447                   | 224                      | 211                               | 165                    | 115            | 71                | 68          | 29             | 20/39           | f   | 3/52           |      | GIM      |
| 739          |        | 229         | 254                         | 471                         | 507                   | 264                      | 245                               | 195                    | 127            | 92                | 84          | 39             | 18/38           | m   | 6/51           | Tr   | FCJ      |
| 756          | 18     | 223         | 257                         | 473                         | 511                   | 261                      | 248                               | 190                    | 125            | 75                | 72          | 27             | 19/41           | f   | 8/50           | Tr   | JER      |
| 760          | 23     | 229         | 258                         | 477                         | 512                   | 254                      | 249                               | 191                    | 128            | 99                | 85          | 30             | 19/37           | m   | 11/52          | L1   | III      |
| 771          | 23     | 224         | 253                         | 483                         | 520                   | 246                      | 266                               | 189                    | 114            | 85                | 83          | 27             | 18/39           | m   | 11/52          | L1   | III      |
| 772          | 21 1/2 | 235         | 259                         | 482                         | 517                   | 254                      | 254                               | 196                    | 121            | 89                | 84          | 29             | 19/40           | m   | 3/52           | L1   | TO       |
| 774          | 20 1/2 | 234         | 264                         | 486                         | 524                   | 254                      | 262                               | 194                    | 131            | 91                | 90          | 29             | 18/39           | f   | 3/52           | L1   | TO       |
| 780          | 23     | 235         | 272                         | 500                         | 534                   | 257                      | 258                               | 188                    | 134            | 96                | 86          | 29             | 17/39           | m   | 11/52          |      | TO       |
| 781          | 24     | 236         | 268                         | 481                         | 526                   | 265                      | 262                               | 200                    | 137            | 86                | 86          | 31             | 21/38           | m   | 2/50           | Tr   | MBS      |
| 783          | 24     | 233         | 268                         | 486                         | 526                   | 267                      | 263                               | 195                    | 136            | 93                | 91          | 37             | 20/37           | m   | 2/50           | Tr   | MBS      |
| 785          | 23     | 229         | 262                         | 488                         | 532                   | 255                      | 269                               | 188                    | 129            | 85                | 85          | 27             | 19/41           | f   | 11/52          |      | TO       |
| 785          | 24     | 244         | 273                         | 500                         | 538                   | 265                      | 260                               | 195                    | 136            | 91                | 89          | 30             | 19/39           | f   | 11/52          | L1   |          |
| 785          | 24 1/2 | 236         | 259                         | 468                         | 522                   | 265                      | 259                               | 196                    | 122            | 91                | 100         | 29             | 18/38           | f   | 2/50           | Pl   | JWR      |
| 787          | 25     | 235         | 264                         | 493                         | 536                   | 260                      | 270                               | 197                    | 127            | 95                | 94          | 30             | 19/39           | f   | 11/52          | L1   | III      |
| 789          | 25 1/2 | 240         | 269                         | 494                         | 533                   | 263                      | 262                               |                        | 132            | 94                | 94          | 30             | 18/39           | m   | 2/50           | Pl   | MBS      |
| 791          |        | 241         | 270                         | 485                         | 537                   | 266                      | 268                               | 194                    | 137            | 92                | 90          | 32             | 22/40           | f   | 6/51           | Tr   | FCJ      |
| 795          | 25 1/2 | 240         | 268                         | 502                         | 538                   | 267                      | 260                               | 208                    | 136            | 90                | 87          | 32             |                 | m   | 3/52           | L1   | RS       |
| 807          | 26     | 246         | 270                         | 497                         | 545                   | 270                      | 259                               | 199                    | 127            | 89                | 91          | 31             | 19/36           | m   | 11/52          | L1   | III      |

Table 62. Skipjack from the Western Equatorial Pacific:  
Eastern Marshalls

|     |    |     |     |     |     |     |     |     |     |    |    |    |       |   |      |    |     |
|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|-------|---|------|----|-----|
| 775 | 25 | 233 | 259 | 487 | 528 | 256 | 266 | 197 | 129 | 90 | 91 | 30 | 20/39 | m | 2/52 | L1 | GIM |
| 762 | 22 | 233 | 259 | 481 | 524 | 254 | 262 | 192 | 129 | 91 | 87 | 30 | 21/41 | m | 2/52 | L1 | TO  |



Table 63. Skipjack from the Western Equatorial Pacific:  
Western Marshalls

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Edge Vent<br>Grooves Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|--|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 407          | 2.5    |             | 137                         | 250                         | 274                   | 137                      | 93   | 67              | 34                | 32          | 20            |                 |     | * /47          |      | JCM      |
| 430          | 3.5    | 128         | 139                         | 264                         | 287                   | 145                      | 102  | 65              | 39                | 38          |               |                 |     | * /47          |      | JCM      |
| 432          | 3      | 125         | 143                         | 267                         | 287                   | 139                      | 103  | 62              | 36                | 37          | 21            |                 |     | * /47          |      | JCM      |
| 436          | 4      | 132         | 148                         | 272                         | 295                   | 144                      | 107  | 68              | 36                | 35          | 20            |                 |     | * /47          |      | JCM      |
| 437          |        | 131         | 145                         | 266                         | 295                   | 148                      | 101  | 70              | 39                | 41          | 21            |                 |     | * /47          |      | JCM      |
| 441          | 3.5    | 131         | 150                         | 275                         | 297                   | 146                      | 108  | 70              | 38                | 39          | 22            |                 |     | * /47          |      | JCM      |
| 442          | 4      | 132         | 144                         | 272                         | 294                   | 149                      | 107  | 67              | 38                | 38          | 21            |                 |     | * /47          |      | JCM      |
| 448          | 4      | 133         | 153                         | 279                         | 307                   | 155                      | 107  | 66              | 40                | 39          | 22            |                 |     | * /47          |      | JCM      |
| 449          | 3.5    | 131         | 151                         | 278                         | 299                   | 147                      | 104  | 70              | 39                |             | 22            |                 |     | * /47          |      | JCM      |
| 450          | 3.5    | 136         | 147                         | 273                         | 306                   | 151                      | 106  | 70              | 40                | 38          | 22            |                 |     | * /47          |      | JCM      |
| 451          |        | 132         | 150                         | 278                         | 305                   | 148                      | 100  | 68              | 39                | 36          | 21            |                 |     | * /47          |      | JCM      |
| 455          | 4      | 135         | 148                         | 282                         | 306                   | 152                      | 108  | 68              | 40                | 39          | 21            |                 |     | * /47          |      | JCM      |
| 458          | 4      | 138         | 157                         | 287                         | 311                   | 155                      | 112  | 71              | 40                | 39          | 20            |                 |     | * /47          |      | JCM      |
| 459          | 4      | 134         | 150                         | 279                         | 308                   | 158                      | 111  | 67              | 41                | 38          | 21            |                 |     | * /47          |      | JCM      |
| 460          | 6.5    | 137         | 163                         | 282                         | 309                   | 154                      | 107  | 68              | 37                | 38          | 21            |                 |     | * /47          |      | JCM      |
| 463          | 4      | 137         | 154                         | 291                         | 312                   | 150                      | 109  | 72              | 42                | 40          | 22            |                 |     | * /47          |      | JCM      |
| 464          | 4.5    | 140         | 154                         | 283                         | 314                   | 157                      | 103  | 74              | 43                | 41          | 23            |                 |     | * /47          |      | JCM      |
| 465          | 4      | 136         | 153                         | 283                         | 309                   | 156                      | 109  | 71              | 40                | 40          | 21            |                 |     | * /47          |      | JCM      |
| 466          | 4      | 136         | 155                         | 289                         | 310                   | 153                      | 110  | 70              | 39                | 38          | 21            |                 |     | * /47          |      | JCM      |
| 468          | 4      | 137         | 157                         | 288                         | 312                   | 158                      | 107  | 74              | 43                | 39          | 23            |                 |     | * /47          |      | JCM      |
| 470          | 5      | 139         | 160                         | 287                         | 312                   | 158                      | 114  | 73              | 40                | 43          | 21            |                 |     | * /47          |      | JCM      |
| 474          | 5      | 146         | 165                         | 295                         | 320                   | 158                      | 159  | 132             | 74                | 47          | 22            |                 | f   | 5/51           | L1   | TO       |
| 475          | 5      | 142         | 160                         | 293                         | 313                   | 157                      | 121  | 77              | 41                | 40          | 23            |                 |     | * /47          |      | JCM      |
| 481          | 4.5    | 142         | 160                         | 296                         | 322                   | 162                      | 116  | 72              | 42                | 42          | 22            |                 |     | * /47          |      | JCM      |
| 482          | 4.5    | 145         | 166                         | 302                         | 330                   | 162                      | 107  | 74              | 41                | 44          | 22            |                 |     | * /47          |      | JCM      |
| 488          | 5      | 143         | 163                         | 303                         | 324                   | 157                      | 124  |                 |                   |             |               |                 |     | * /47          |      | JCM      |
| 514          | 6      | 155         | 175                         | 322                         | 352                   | 172                      | 130  | 78              | 47                | 47          | 24            |                 |     | * /47          |      | JCM      |
| 532          | 7      | 159         | 182                         | 333                         | 367                   | 181                      | 134  | 89              | 54                | 53          | 24            |                 |     | * /47          |      | JCM      |
| 540          | 7.5    | 163         | 182                         | 340                         | 366                   | 183                      | 138  | 88              | 50                | 50          | 25            |                 |     | * /47          |      | JCM      |
| 544          | 7      | 162         | 186                         | 345                         | 376                   | 181                      | 137  | 85              |                   |             | 24            |                 |     | * /47          |      | JCM      |

\*From July 19 to August 26

Table 63. Skipjack from the Western Equatorial Pacific:  
Western Marshalls (continued)

| Total Length | Weight           | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Edge Vent | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Geop | Examiner |
|--------------|------------------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|-----------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 548          |                  | 194         | 377                         |                             |                       | 182                      | 184                               | 139                    | 86              | 56                | 52          | 24            |                 | f   | 5/51           | L1   | TO       |
| 552          | 7.5              | 165         | 187                         | 346                         | 377                   | 190                      |                                   | 137                    | 90              | 52                | 56          | 24            |                 |     | */47           |      | JCM      |
| 559          | 7.5              | 169         | 188                         | 350                         | 382                   | 190                      |                                   | 134                    | 90              | 55                | 55          | 26            |                 |     | */47           |      | JCM      |
| 559          |                  | 170         | 194                         | 346                         | 375                   | 185                      | 184                               | 139                    | 89              | 59                | 53          | 27            | 20/38           | f   | 7/51           | L1   | WVC      |
| 560          | 8                | 176         | 195                         | 352                         | 383                   | 191                      |                                   | 141                    | 90              | 53                | 52          | 27            |                 |     | */47           |      | JCM      |
| 561          |                  | 169         | 198                         | 352                         | 391                   | 183                      | 197                               | 142                    | 97              | 61                | 62          | 24            |                 | m   | 5/51           | L1   | TO       |
| 570          | 8.2              | 172         | 194                         | 357                         | 389                   | 195                      |                                   | 144                    | 88              | 54                | 54          | 26            |                 |     | */47           |      | JCM      |
| 572          | 9                | 176         | 196                         | 364                         | 395                   | 195                      |                                   | 145                    | 93              | 53                | 55          | 26            |                 |     | */47           |      | JCM      |
| 587          |                  | 183         | 206                         | 365                         | 390                   | 196                      | 192                               | 150                    | 93              | 68                | 67          | 27            | 20/39           | m   | 7/51           | L1   | WVC      |
| 588          | 10.5             | 181         | 204                         | 372                         | 405                   | 198                      |                                   | 158                    | 94              | 54                | 55          | 27            |                 |     | */47           |      | JCM      |
| 592          |                  | 179         | 202                         | 373                         | 401                   | 199                      | 196                               | 146                    | 101             | 34                | 62          | 26            |                 | m   | 5/51           | L1   | TO       |
| 593          |                  | 182         | 209                         | 379                         | 406                   | 193                      | 207                               | 159                    | 99              | 69                | 66          | 25            |                 | f   | 5/51           | L1   | TO       |
| 593          |                  | 183         | 203                         | 368                         | 390                   | 201                      | 184                               | 148                    | 100             | 74                | 66          | 26            | 19/37           | m   | 7/51           | L1   | WVC      |
| 598          | 10               | 180         | 200                         | 372                         | 412                   | 201                      |                                   | 149                    | 98              | 59                | 59          | 27            |                 |     | */47           |      | JCM      |
| 602          | 9.8              | 188         | 216                         | 377                         | 407                   | 202                      | 199                               | 156                    | 92              | 63                | 63          | 27            | 17/35           | f   | 8/51           | L1   | WVC      |
| 615          | 10               | 192         | 220                         | 391                         | 419                   | 205                      | 203                               | 158                    | 104             | 70                | 68          | 28            |                 | f   | 5/51           | L1   | TO       |
| 619          | 9                | 190         | 219                         | 390                         | 425                   | 202                      | 215                               | 151                    | 97              | 69                | 70          | 27            |                 | f   | 5/51           | L1   | TO       |
| 632          |                  | 191         | 219                         | 394                         | 423                   | 210                      | 209                               | 173                    | 102             | 67                | 65          | 26            |                 | m   | 5/51           | L1   | TO       |
| 633          |                  | 195         | 223                         | 403                         | 427                   | 209                      | 210                               | 163                    | 103             | 74                | 69          | 25            |                 | m   | 5/51           | L1   | TO       |
| 633          |                  | 197         | 220                         | 390                         | 419                   | 214                      | 197                               | 159                    | 97              | 68                | 63          | 28            | 19/38           | m   | 7/51           | L1   | WVC      |
| 635          |                  | 199         | 222                         | 392                         | 436                   | 210                      | 215                               | 160                    | 106             | 74                | 71          | 30            |                 | f   | 5/51           | L1   | TO       |
| 638          |                  | 188         | 220                         | 395                         | 426                   | 210                      | 210                               | 164                    | 101             | 75                | 68          | 26            | 20/38           | f   | 7/51           | L1   | WVC      |
| 641          |                  | 203         | 226                         | 414                         | 443                   | 217                      | 218                               | 162                    | 108             | 74                | 71          | 27            |                 | m   | 5/51           | L1   | TO       |
| 642          | 13.5             | 193         | 220                         | 399                         | 436                   | 213                      |                                   | 166                    | 108             | 70                | 69          | 27            |                 |     | */47           |      | JCM      |
| 642          |                  | 194         | 226                         | 405                         | 432                   | 215                      | 217                               | 166                    | 108             | 70                | 73          | 27            |                 | m   | 5/51           | L1   | TO       |
| 644          |                  | 195         | 221                         | 404                         | 436                   | 215                      | 216                               | 165                    | 100             | 70                | 63          | 27            | 19/42           | m   | 7/51           | L1   | WVC      |
| 652          |                  | 197         | 222                         | 408                         | 434                   | 212                      | 214                               | 162                    | 102             | 68                | 68          | 28            |                 | m   | 5/51           | L1   | TO       |
| 656          | 14               | 200         | 222                         | 410                         | 442                   | 217                      |                                   | 163                    | 110             | 70                | 71          | 28            |                 |     | */47           |      | JCM      |
| 657          |                  | 206         | 238                         | 419                         | 443                   | 220                      | 212                               | 175                    | 107             | 72                | 69          | 30            |                 | f   | 5/51           | L1   | TO       |
| 659          | 13 $\frac{1}{4}$ | 198         | 231                         | 410                         | 442                   | 214                      | 226                               | 172                    | 109             | 79                | 74          | 27            | 19/37           | m   | 7/51           | L1   | WVC      |

\*From July 19 to August 26.

Table 63. Skipjack from the Western Equatorial Pacific:  
Western Marshalls (continued)

| Total Length | Weight           | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Edge Vent | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Grav | Examiner |
|--------------|------------------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|-----------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 660          | 14               | 201         | 228                         | 413                         | 444                   | 217                      | 221                               | 169                    | 111             | 74                | 73          | 26            | 19/36           | m   | 5/51           | L1   | TO       |
| 664          |                  | 202         | 230                         | 419                         | 447                   | 225                      |                                   | 169                    | 103             | 67                | 66          | 27            |                 |     | */47           |      | JCM      |
| 669          |                  | 202         | 234                         | 420                         | 450                   | 219                      | 223                               | 170                    | 109             | 74                | 72          | 28            |                 | m   | 7/51           | L1   | WVC      |
| 670          |                  | 206         | 234                         | 428                         | 461                   | 224                      | 225                               | 176                    | 109             | 71                | 76          | 28            |                 | f   | 5/51           | L1   | TO       |
| 672          | 14               | 203         | 227                         | 426                         | 464                   | 225                      |                                   | 167                    | 107             |                   |             | 26            |                 |     | */47           |      | JCM      |
| 675          | 14               | 199         | 225                         | 422                         | 460                   | 224                      |                                   | 160                    | 108             | 69                | 69          |               |                 |     | */47           |      | JCM      |
| 682          | 15               | 207         | 233                         | 434                         | 462                   | 223                      |                                   | 167                    | 112             | 71                | 69          | 25            |                 |     | */47           |      | JCM      |
| 686          | 16               | 211         | 236                         | 433                         | 465                   | 227                      | 232                               | 181                    | 112             | 82                | 81          | 28            | 17/38           | m   | 8/51           | L1   | WVC      |
| 698          | 16.5             | 209         | 235                         | 442                         | 479                   | 232                      |                                   | 173                    | 116             | 76                | 74          | 27            |                 |     | */47           |      | JCM      |
| 708          | 17 $\frac{1}{2}$ | 214         | 246                         | 445                         | 478                   | 232                      | 238                               | 180                    | 115             | 84                | 80          | 27            | 19/40           | f   | 9/51           | L1   | WVC      |
| 718          | 17               | 216         | 236                         | 448                         | 487                   | 288                      |                                   | 177                    | 125             | 81                | 78          | 30            |                 |     | */47           |      | JCM      |
| 720          | 18.5             | 220         | 244                         | 451                         | 497                   | 238                      |                                   | 188                    | 121             | 85                | 82          | 29            |                 |     | */47           |      | JCM      |
| 732          | 18.5             | 220         | 286                         | 449                         | 494                   | 239                      |                                   | 181                    | 120             | 77                | 74          | 30            |                 |     | */47           |      | JCM      |

Table 64. Skipjack from the Western Equatorial Pacific:  
Eastern Carolines

|     |     |     |     |     |     |     |     |     |     |    |    |    |       |   |      |    |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|-------|---|------|----|-----|
| 535 |     | 161 | 180 | 330 | 357 | 173 | 174 | 136 | 85  | 52 | 51 | 21 | 21/39 | m | 4/51 | L1 | TO  |
| 541 |     | 168 | 192 | 337 | 363 | 184 | 175 | 135 | 87  | 62 | 60 | 26 |       |   | 8/50 | L1 | BMS |
| 546 |     | 162 | 183 | 327 | 356 | 179 | 177 | 137 | 83  | 50 | 46 | 25 | 19/38 | f | 5/51 | L1 | TO  |
| 549 |     | 168 | 192 | 345 | 372 | 182 | 174 | 136 | 88  | 62 | 60 | 26 |       | m | 5/51 | L1 | TO  |
| 550 |     | 171 | 197 | 343 | 370 | 186 | 174 | 130 | 84  | 55 | 52 | 28 |       | m | 4/51 | L1 | TO  |
| 552 | 7.3 | 171 | 196 | 344 | 371 | 189 | 186 | 138 | 89  | 59 | 56 | 27 | 18/35 | f | 6/51 | L1 | WVC |
| 553 |     | 168 | 189 | 342 | 369 | 185 | 175 | 133 | 88  | 61 | 51 | 23 |       | f | 4/51 | L1 | TO  |
| 553 |     | 170 | 187 | 342 | 375 | 188 | 183 | 135 | 91  | 56 | 59 | 24 |       |   | 8/50 | L1 | BMS |
| 557 |     | 169 | 200 | 354 | 374 | 184 | 182 | 138 | 88  | 55 | 55 | 24 |       | f | 4/51 | L1 | TO  |
| 561 |     | 173 | 196 | 354 | 376 | 183 | 184 | 138 | 91  | 60 | 59 | 25 |       | m | 4/51 | L1 | TO  |
| 573 | 8.6 | 180 | 205 | 358 | 389 | 191 | 192 | 146 | 95  | 65 | 61 | 25 |       |   | 4/51 | L1 | TO  |
| 581 |     | 179 | 205 | 365 | 396 | 195 | 185 | 149 | 98  | 60 | 60 | 28 |       | m | 4/51 | L1 | TO  |
| 582 |     | 180 | 280 | 364 | 396 | 220 | 196 | 150 | 91  | 68 | 63 | 28 | 19/38 | m | 6/51 | L1 | WVC |
| 583 |     | 175 | 202 | 358 | 387 | 193 | 191 | 142 | 95  | 66 | 59 | 25 | 19/38 | m | 6/51 | L1 | WVC |
| 583 | 8.8 | 183 | 205 | 364 | 393 | 193 | 195 | 151 | 100 | 75 | 59 | 25 |       | f | 4/51 | L1 | TO  |

\*From July 19 to August 26.

Table 64 Skipjack from the Western Equatorial Pacific:  
Eastern Carolines (continued)

| Total Length | Weight           | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Edge Vent | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|------------------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|-----------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 583          | 10 $\frac{1}{4}$ | 180         | 206                         | 367                         | 394                   | 194                      | 191                               | 144                    | 95              | 62                | 62          | 26            | 18/36           | m   | 4/51           | L1   | TO       |
| 589          |                  | 179         | 208                         | 371                         | 398                   | 193                      | 200                               | 145                    | 93              | 65                | 66          | 26            |                 |     | 4/51           | L1   | TO       |
| 590          |                  | 178         | 207                         | 373                         | 400                   | 195                      | 201                               | 152                    | 96              | 64                | 61          | 26            |                 | f   | 4/51           | L1   | TO       |
| 608          |                  | 185         | 210                         | 376                         | 405                   | 197                      |                                   | 156                    | 97              | 69                | 67          | 26            |                 | m   | 6/51           | L1   | WVC      |
| 608          |                  | 186         | 212                         | 384                         | 412                   | 201                      | 206                               | 149                    | 100             | 70                | 69          | 25            |                 | f   | 5/51           | L1   | TO       |
| 609          | 10 $\frac{3}{4}$ | 187         | 221                         | 388                         | 419                   | 205                      | 200                               | 154                    | 98              | 67                | 61          | 26            | 18/40           | f   | 5/51           | L1   | TO       |
| 616          |                  | 189         | 220                         | 384                         | 411                   | 202                      | 205                               | 159                    | 100             | 72                | 69          | 27            |                 | f   | 6/51           | L1   | WVC      |
| 617          |                  | 187         | 208                         | 389                         | 415                   | 205                      | 197                               | 155                    | 100             | 70                | 66          | 24            |                 |     | 4/51           | L1   | TO       |
| 621          |                  | 192         | 216                         | 387                         | 412                   | 204                      | 196                               | 162                    | 102             | 70                | 71          | 27            |                 | m   | 5/51           | L1   | TO       |
| 622          |                  | 190         | 213                         | 393                         | 417                   | 209                      | 199                               | 162                    | 99              | 66                | 65          | 26            |                 | m   | 5/51           | L1   | TO       |
| 624          | 11 $\frac{1}{4}$ | 191         | 216                         | 393                         | 419                   | 207                      | 207                               | 158                    | 104             | 77                | 72          | 27            | 18/39           | m   | 6/51           | L1   | WVC      |
| 636          | 13               | 195         | 224                         | 399                         | 429                   | 209                      | 216                               | 168                    | 108             | 80                | 75          | 27            | 17/36           | m   | 6/51           | L1   | WVC      |
| 638          | 12 $\frac{3}{4}$ | 195         | 221                         | 405                         | 432                   | 212                      | 218                               | 170                    | 106             | 78                | 74          | 26            | 18/34           | m   | 6/51           | L1   | WVC      |
| 645          |                  | 198         | 220                         | 401                         | 435                   | 214                      | 210                               | 160                    | 105             | 70                | 70          | 26            | 20/36           | m   | 5/51           | L1   | TO       |

Table 65. Skipjack from the Western Equatorial Pacific:  
Central Carolines

|     |    |     |     |     |     |     |     |     |     |     |    |    |       |   |      |    |     |
|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|-------|---|------|----|-----|
| 522 | 6  | 159 | 184 | 330 | 352 | 167 | 189 | 123 | 81  | 51  | 50 | 22 | 18/38 | f | 4/51 | L1 | TO  |
| 530 | 7  | 170 | 184 | 333 | 361 | 182 | 179 | 130 | 81  | 59  | 57 | 22 |       | m | 4/51 | L1 | TO  |
| 531 |    | 163 | 193 | 348 | 369 | 173 | 179 | 134 | 85  | 53  | 54 | 26 |       | m | 4/51 | L1 | TO  |
| 544 |    | 169 | 194 | 345 | 380 | 193 | 180 | 133 | 85  | 63  | 54 | 29 |       |   | 6/50 | L1 | BMS |
| 545 |    | 173 | 191 | 345 | 382 | 200 | 176 | 141 | 92  | 62  | 54 | 26 |       |   | 6/50 | L1 | BMS |
| 551 | 7  | 172 | 198 | 350 | 366 | 186 | 177 | 135 | 88  | 57  | 55 | 26 |       | m | 4/51 | L1 | TO  |
| 569 |    | 169 | 194 | 350 | 378 | 185 | 181 | 135 | 89  | 61  | 58 | 25 |       | f | 4/51 | L1 | TO  |
| 571 | 8  | 180 | 209 | 360 | 391 | 195 | 184 | 136 | 96  | 60  | 59 | 28 |       | f | 4/51 | L1 | TO  |
| 577 | 8  | 178 | 209 | 370 | 388 | 189 | 185 | 142 | 96  | 61  | 59 | 24 |       | f | 4/51 | L1 | TO  |
| 590 |    | 181 | 205 | 365 | 400 | 197 | 199 | 151 | 101 | 66  | 63 | 25 |       | m | 4/51 | L1 | TO  |
| 603 | 12 | 185 | 216 | 380 | 410 | 203 | 197 | 162 | 98  | 63  | 60 | 21 |       | f | 4/51 | L1 | TO  |
| 615 |    | 191 | 218 | 392 | 424 | 210 | 210 | 161 | 101 | 66  | 65 | 28 |       | f | 4/51 | L1 | TO  |
| 799 |    | 240 | 270 | 501 | 550 | 270 | 270 | 201 | 137 | 105 | 98 | 29 |       |   | 6/50 | L1 | BMS |

Table 66. Skipjack from the Western Equatorial Pacific:  
Western Carolines

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ann. Edge Vent<br>Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|---|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 498          | 5      | 146         | 162                         | 303                         | 333                   | 164                      | 121   | 75              | 45                | 37          | 21            | 19/37           | m   | 5/48           |      | ORS      |
| 496          | 4      | 150         | 169                         | 307                         | 333                   | 168                      | 123   | 80              | 46                | 45          | 23            | 18/37           | m   | 5/48           | Pl   | ORS      |
| 517          | 4      | 161         | 177                         | 330                         | 353                   | 180                      | 140   | 80              | 50                | 52          | 23            | 19/35           | m   | 5/48           |      | ORS      |
| 525          | 6      | 157         | 183                         | 329                         | 351                   | 176                      | 125   | 78              | 45                | 40          | 23            | 18/37           | m   | 5/48           |      | ORS      |
| 529          | 7      | 160         | 183                         | 333                         | 357                   | 179                      | 133   | 80              | 46                | 46          | 23            | 19/37           | m   | 5/48           | Pl   | ORS      |
| 533          | 6.5    | 161         | 179                         | 332                         | 359                   | 180                      | 132   | 86              | 48                | 48          | 24            | 19/38           | m   | 5/48           | Pl   | ORS      |
| 536          | 7.6    | 163         | 187                         | 337                         | 366                   | 185                      | 134   | 82              | 48                | 47          | 25            | 18/38           | f   | 5/48           | Pl   | ORS      |

Table 67. Skipjack from the Northeastern Pacific

|     |                  |     |     |     |     |     |     |     |    |    |    |       |   |       |    |       |
|-----|------------------|-----|-----|-----|-----|-----|-----|-----|----|----|----|-------|---|-------|----|-------|
| 506 | 4 $\frac{1}{2}$  | 149 | 168 | 309 | 334 | 165 | 122 | 78  | 46 | 43 | 24 | 16/38 | m | 12/50 | Tr | HHE a |
| 507 | 6 $\frac{1}{4}$  | 156 | 171 | 313 | 341 | 167 | 134 | 79  | 49 | 46 | 21 | 18/39 | m | 5/49  |    | GWM b |
| 536 | 6 $\frac{1}{2}$  | 161 | 182 | 332 | 342 | 180 | 124 | 78  | 49 | 49 | 22 | 18/39 |   | 5/49  | Pl | GWM b |
| 554 | 8                | 167 | 183 | 350 | 378 | 195 | 139 | 87  | 50 | 49 | 23 | 19/41 | m | 5/47  |    | c     |
| 579 | 8                | 172 | 191 | 356 | 389 | 199 | 137 | 88  | 53 | 52 | 15 | 20/37 | f | 9/52  | Tr | JCM b |
| 599 | 11               | 178 | 203 | 372 | 399 | 194 | 155 | 92  | 57 | 58 | 24 | 19/40 |   | 5/49  |    | GWM b |
| 621 | 11               | 195 | 214 | 398 | 428 | 214 | 152 | 101 | 61 | 56 | 24 | 17/37 | m | 5/47  |    | c     |
| 631 |                  | 190 | 208 | 395 | 427 | 207 | 161 | 98  | 65 | 62 | 26 | 18/38 | m | 5/49  | Pl | b     |
| 640 | 13 $\frac{1}{2}$ | 197 | 220 | 403 | 425 | 214 | 162 | 101 | 70 | 66 | 26 | 19/38 | f | 5/49  | Pl | b     |
| 669 | 15               | 201 | 234 | 418 | 454 | 227 | 171 | 108 | 70 | 69 | 26 | 18/38 |   | 5/49  |    | GWM b |

- a. Southwest of Balenas Bay. Baja, California  
b. Off Guatemala  
c. Off Costa Rica

Table 68. Skipjack from the North Central Pacific:  
Hawaiian Islands

| Total Length | Weight          | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Edge Vent | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Itri | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|-----------------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|-----------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 207          | .29             | 58          | 68                          | 125                         | 138                   | 63                       |                                   | 50                     | 22              | 13                | 12          | 7             | 20/43           |     | 7/49           |      | KY       |
| 240          | .43             | 66          | 76                          | 143                         | 154                   | 76                       | 75                                | 53                     | 28              | 14                | 16          | 12            |                 |     | 12/51          | P1   | III      |
| 240          | .43             | 67          | 77                          | 140                         | 159                   | 75                       |                                   |                        | 29              | 15                | 16          | 13            |                 |     | 12/51          | P1   | III      |
| 247          | .45             | 66          | 76                          | 143                         | 161                   | 77                       | 82                                | 44                     | 31              | 16                | 15          | 12            |                 |     | 12/51          | P1   | HY       |
| 260          | .56             | 73          | 83                          | 152                         | 170                   | 81                       |                                   | 57                     | 32              | 20                | 16          | 15            |                 |     | 12/51          | P1   | III      |
| 265          | .64             | 77          | 91                          | 161                         | 175                   | 86                       | 85                                | 63                     | 34              | 17                | 17          | 14            |                 |     | 10/51          | P1   | FCJ      |
| 326          | 1.5             | 94          | 113                         | 204                         | 217                   | 105                      |                                   | 83                     | 44              | 23                | 26          | 16            | 18/38           |     | 4/49           | P1   | KY       |
| 327          | 1.5             | 95          | 108                         | 197                         | 217                   | 106                      |                                   | 85                     | 43              | 28                | 25          | 16            | 18/39           | m   | 4/49           | P1   | FCJ      |
| 330          | 1.5             | 97          | 111                         | 204                         | 226                   | 109                      |                                   | 80                     | 48              | 25                | 23          | 15            | 18/39           | m   | 4/49           | P1   | FCJ      |
| 336          | 1.5             | 95          | 111                         | 203                         | 221                   | 106                      |                                   | 82                     | 46              | 26                | 25          | 16            | 18/39           | m   | 5/49           |      | FCJ      |
| 356          | 1 $\frac{3}{4}$ | 106         | 121                         | 214                         | 237                   | 119                      |                                   | 91                     | 50              | 52                | 30          | 17            | 18/36           |     | 7/49           | P1   | HBE      |
| 358          | 2               | 105         | 121                         | 219                         | 237                   | 119                      |                                   | 94                     | 50              | 29                | 30          | 17            | 19/39           |     | 7/49           | P1   | HBE      |
| 358          | 2               | 107         | 122                         | 215                         | 236                   | 119                      |                                   | 96                     | 56              | 31                | 30          | 17            | 18/36           | m   | 7/49           | P1   | HBE      |
| 360          | 2               | 106         | 123                         | 221                         | 239                   | 119                      |                                   | 92                     | 50              | 31                | 28          | 17            | 19/37           | m   | 5/49           |      | KY       |
| 362          | 2               | 105         | 125                         | 217                         | 239                   | 118                      |                                   | 94                     | 46              | 32                | 29          | 17            | 17/38           |     | 7/49           | P1   | HBE      |
| 367          | 2               | 106         | 120                         | 222                         | 245                   | 118                      |                                   | 89                     | 55              | 34                | 27          | 17            |                 |     | 5/49           | P1   | KY       |
| 371          | 2 $\frac{1}{2}$ | 110         | 131                         | 229                         | 246                   | 123                      |                                   | 95                     | 52              | 39                | 33          | 18            | 19/35           | f   | 9/49           | P1   | HBE      |
| 375          | 2               | 107         | 126                         | 224                         | 251                   | 124                      |                                   | 93                     | 52              | 34                | 30          | 17            | 18/38           | m   | 7/49           | P1   | HBE      |
| 381          | 2               | 110         | 126                         | 232                         | 254                   | 125                      |                                   | 99                     | 55              | 32                | 38          | 17            | 18/28           | f   | 5/49           | P1   | FCJ      |
| 385          | 2 $\frac{1}{2}$ | 113         | 134                         | 236                         | 255                   | 127                      |                                   | 100                    | 55              |                   | 31          | 18            | 21/35           | m   | 7/49           | P1   | HBE      |
| 387          | 2 $\frac{1}{2}$ | 115         | 139                         | 235                         | 256                   | 125                      |                                   | 97                     | 56              | 38                | 35          | 17            | 19/37           |     | 9/49           | P1   | HBE      |
| 395          | 2.5             | 105         | 120                         | 243                         | 268                   | 118                      |                                   | 98                     | 58              | 32                | 24          | 17            | 9/30            | f   | 7/49           | P1   | HBE      |
| 395          | 2.5             | 116         | 135                         | 238                         | 265                   | 129                      |                                   | 97                     | 60              | 39                | 35          | 18            | 18/39           |     | 9/49           | P1   | HBE      |
| 406          | 3               | 121         | 138                         | 245                         | 274                   | 133                      |                                   | 106                    | 57              | 36                | 32          | 18            | 19/38           | m   | 7/49           | P1   | HBE      |
| 409          | 3               | 120         | 140                         | 250                         | 274                   | 136                      |                                   |                        | 58              | 38                | 35          | 20            | 17/35           | f   | 6/49           | P1   | HBE      |
| 409          | 4.5             | 133         | 150                         | 282                         | 310                   | 151                      |                                   | 112                    | 69              | 37                | 35          | 22            | 17/39           | f   | 8/48           |      | HBE      |
| 410          | 2 $\frac{3}{4}$ | 120         | 137                         | 247                         | 270                   | 135                      |                                   | 100                    | 61              | 39                | 38          | 29            | 18/38           |     | 9/49           | P1   | HBE      |
| 410          | 3               | 127         | 144                         | 252                         | 276                   | 138                      |                                   | 113                    | 58              | 32                | 30          | 20            |                 |     | 8/48           |      | HBE      |
| 413          | 3.5             | 124         | 140                         | 254                         | 275                   | 137                      |                                   | 108                    | 61              | 30                | 27          | 21            | 20/39           | f   | 9/48           |      | HBE      |
| 420          | 3 $\frac{1}{2}$ | 123         | 140                         | 256                         | 283                   | 141                      |                                   | 106                    | 62              | 40                | 37          | 19            | 18/36           | f   | 7/49           | P1   | HBE      |

Table 68 Skipjack from the North Central Pacific.  
Hawaiian Islands (continued)

| Total Length | Weight          | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Edge Ventr.<br>Fin | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|-----------------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|--|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 427          | 4.5             | 127         | 141                         | 263                         | 232                   | 144                      |  | 116                    | 64              | 33                | 33          | 21            | 18/38           | m   | 9/48           | P1   | HHE      |
| 428          | 3.5             | 127         | 145                         | 262                         | 283                   | 141                      |  | 105                    | 63              | 43                | 40          | 20            | 18/38           | m   | 7/49           | P1   | HBE      |
| 428          | 4               | 126         | 147                         | 222                         | 281                   | 143                      |  | 107                    | 65              | 32                | 33          | 20            |                 | f   | 8/48           |      | HHE      |
| 429          | 3 $\frac{1}{2}$ | 127         | 146                         | 260                         | 292                   | 145                      |  | 110                    | 65              | 42                | 38          | 20            | 17/39           | f   | 7/49           | P1   | HBE      |
| 431          | 3 $\frac{1}{2}$ | 129         | 153                         | 269                         | 292                   | 140                      |  | 113                    | 65              | 45                | 37          | 20            | 17/39           | f   | 5/49           |      | FCJ      |
| 434          | 3 $\frac{1}{2}$ | 128         | 145                         | 263                         | 288                   | 144                      |  | 109                    | 61              | 39                | 36          | 19            | 14/38           | f   | 6/49           | P1   | KY       |
| 434          | 3 $\frac{3}{4}$ | 126         | 151                         | 265                         | 291                   | 139                      |  | 109                    | 66              | 33                | 36          | 21            | 19/40           | m   | 6/49           | P1   | KY       |
| 434          | 4               | 130         | 144                         | 263                         | 289                   | 145                      |  | 104                    | 67              | 34                | 30          | 21            | 17/40           | m   | 9/48           |      | HHE      |
| 435          | 1.8             | 125         | 152                         | 267                         | 281                   | 138                      |  | 115                    | 64              | 40                | 37          | 18            | 18/37           | m   | 5/49           |      | FCJ      |
| 436          | 4               | 126         | 151                         | 269                         | 291                   | 140                      |  | 116                    | 59              |                   | 41          | 20            | 18/40           | f   | 6/49           | P1   | HBE      |
| 441          | 4               | 129         | 151                         | 274                         | 294                   | 147                      |  | 105                    | 65              | 34                | 34          | 21            | 19/41           | f   | 9/48           |      | HHE      |
| 446          | 3.5             | 127         | 153                         | 275                         | 299                   | 141                      |  | 110                    | 65              | 40                | 38          | 19            | 19/38           | m   | 4/49           |      | FCJ      |
| 448          | 4               | 134         | 153                         | 274                         | 300                   | 147                      |  | 114                    | 66              | 42                | 42          | 21            |                 |     | 5/49           | P1   | KY       |
| 453          | 4               | 135         | 151                         | 272                         | 296                   | 153                      |  | 116                    | 72              | 39                | 37          | 22            | 20/37           | m   | 8/48           | P1   | HHE      |
| 456          | 4               | 133         | 154                         | 280                         | 302                   | 149                      |  | 105                    | 70              | 38                | 35          | 23            | 18/35           | f   | 9/48           |      | HHE      |
| 456          | 4.5             | 137         | 157                         | 279                         | 303                   | 151                      |  | 117                    | 68              | 48                | 43          | 20            | 21/39           | f   | 7/49           | P1   | HBE      |
| 457          | 4               | 137         | 160                         | 286                         | 301                   | 151                      |  | 118                    | 71              | 44                | 43          | 21            | 17/39           | m   | 4/49           |      | FCJ      |
| 459          | 4 $\frac{1}{2}$ | 135         | 161                         | 286                         | 308                   | 151                      |  | 121                    | 67              | 45                | 40          | 21            | 18/38           | m   | 5/49           | P1   | FCJ      |
| 459          | 5               | 139         | 160                         | 288                         | 303                   | 154                      |  | 118                    | 76              |                   | 37          | 23            | 20/42           | m   | 9/48           |      | HHE      |
| 460          | 4.5             | 135         | 162                         | 281                         | 311                   | 160                      |  | 121                    | 71              | 44                | 39          | 21            | 19/39           | m   | 5/49           |      | FCJ      |
| 463          | 5.5             | 140         | 161                         | 289                         | 301                   | 150                      |  | 116                    | 73              | 38                | 37          | 21            | 19/41           | f   | 8/48           | P1   | HHE      |
| 466          | 4 $\frac{1}{4}$ | 140         | 163                         | 288                         | 311                   | 153                      |  | 115                    | 67              | 46                | 43          | 23            | 18/36           | f   | 9/49           | P1   | HBE      |
| 467          | 5               | 137         | 159                         | 287                         | 316                   | 154                      |  | 117                    | 70              | 47                | 42          | 21            | 20/38           | f   | 6/49           | P1   | KY       |
| 468          | 4.5             | 136         | 154                         | 284                         | 320                   | 152                      |  | 126                    | 70              |                   |             | 20            | 18/37           | m   | 4/49           |      | FCJ      |
| 470          | 5               | 140         | 168                         | 297                         | 319                   | 154                      |  | 120                    | 71              | 43                | 42          | 22            | 20/39           | m   | 5/49           |      | FCJ      |
| 470          | 5.5             | 139         | 154                         | 288                         | 313                   | 153                      |  | 117                    | 72              | 38                | 33          | 22            | 18/38           | m   | 9/48           |      | HHE      |
| 473          |                 | 141         | 159                         | 298                         | 320                   | 159                      |  | 115                    | 72              | 42                | 43          | 20            | 18/38           |     | 5/49           | P1   | KY       |
| 473          | 5               | 138         | 159                         | 288                         | 317                   | 154                      |  | 122                    | 68              | 41                | 40          | 21            | 19/38           | f   | 5/49           |      | FCJ      |
| 474          | 5               | 142         | 167                         | 289                         | 316                   | 160                      |  | 121                    | 73              | 41                | 44          | 21            | 19/39           | m   | 5/49           | P1   | KY       |
| 476          |                 | 140         | 157                         | 289                         | 322                   | 158                      |  | 119                    | 69              | 44                | 40          | 22            |                 |     | 5/49           | P1   | KY       |

Table 68. Skipjack from the North Central Pacific:  
Hawaiian Islands (continued)

| Total Length | Weight          | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Edge Vent.<br>Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex   | Month and Year | Gear | Examiner |     |
|--------------|-----------------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|--|-----------------|-------------------|-------------|---------------|-----------------|-------|----------------|------|----------|-----|
| 478          | 5               | 140         | 166                         | 293                         | 321                   | 154                      |  | 122             | 72                | 47          | 44            | 21              | 19/37 | m              | 6/49 | P1       | KY  |
| 479          | 4.5             | 144         | 165                         | 294                         | 326                   | 169                      |  | 123             | 72                | 45          | 45            | 20              | 18/40 | m              | 4/49 |          | FCJ |
| 482          | 5               | 141         | 163                         | 295                         | 323                   | 154                      |  | 130             | 72                | 44          | 44            | 18              | 17/37 | f              | 5/49 |          | KY  |
| 484          | 5               | 141         | 166                         | 297                         | 323                   | 157                      |  | 127             | 68                | 46          | 44            | 20              | 19/40 | f              | 5/49 |          | FCJ |
| 485          | 5               | 148         | 173                         | 301                         | 316                   | 161                      |  | 124             | 74                | 46          | 45            | 21              | 19/36 | m              | 5/49 | P1       | KY  |
| 485          | 5 $\frac{1}{4}$ | 142         | 166                         | 297                         | 329                   | 159                      |  | 127             | 75                | 50          | 44            | 21              | 19/43 | m              | 6/49 | P1       | KY  |
| 485          | 6               | 140         | 163                         | 302                         | 325                   | 161                      |  | 123             | 75                | 39          | 39            | 23              | 18/37 | m              | 8/48 | P1       | HHE |
| 487          | 6               | 143         | 165                         | 303                         | 325                   | 160                      |  | 130             | 75                | 40          | 33            | 23              | 19/39 | m              | 9/48 |          | HHE |
| 489          | 5.5             | 144         | 167                         | 302                         | 334                   | 161                      |  | 123             | 74                | 43          | 42            | 22              | 19/42 | f              | 5/49 |          | FCJ |
| 489          | 6               | 145         | 168                         | 300                         | 329                   | 161                      |  | 131             | 71                | 48          | 48            | 22              | 18/39 | m              | 6/49 | P1       | HBE |
| 490          | 5.5             | 149         | 175                         | 305                         | 338                   | 162                      |  | 133             | 75                | 43          | 47            | 22              | 18/39 | m              | 4/49 |          | KY  |
| 492          | 5.5             | 149         | 170                         | 304                         | 328                   | 165                      |  | 121             | 75                | 38          | 36            | 24              | 19/38 | m              | 8/48 |          | HHE |
| 493          | 5 $\frac{1}{2}$ | 145         | 171                         | 301                         | 328                   | 160                      |  | 126             | 72                | 47          | 44            | 21              | 19/36 | f              | 5/49 |          | FCJ |
| 496          | 6               | 149         | 172                         | 304                         | 332                   | 165                      |  | 127             | 76                | 52          | 52            | 21              | 21/39 | m              | 7/49 | P1       | HBE |
| 497          | 5               | 148         | 173                         | 309                         | 335                   | 169                      |  | 125             | 75                | 43          | 39            | 24              | 18/36 | f              | 8/48 |          | HHE |
| 497          | 5               | 150         | 170                         | 307                         | 336                   | 170                      |  | 119             | 69                | 41          | 38            | 22              | 20/38 | f              | 2/48 | Tr       | MBS |
| 504          | 6               | 150         | 173                         | 311                         | 332                   | 162                      |  | 126             | 77                | 46          | 43            | 22              | 17/39 | m              | 8/48 | P1       | HHE |
| 505          | 5 $\frac{1}{4}$ | 152         | 168                         | 310                         | 334                   | 166                      |  | 118             | 77                |             | 48            | 21              | 18/38 | m              | 7/49 | P1       | KY  |
| 508          | 6               | 152         | 171                         | 317                         | 348                   | 170                      |  | 129             | 76                | 54          | 50            | 22              | 19/41 | m              | 8/49 | P1       | HBE |
| 514          | 6.5             | 151         | 174                         | 313                         | 347                   | 170                      |  | 132             | 74                | 50          | 51            | 23              | 19/38 | m              | 8/49 | P1       | HBE |
| 514          | 7               | 158         | 179                         | 320                         | 348                   | 173                      |  | 144             | 84                | 57          | 53            | 22              | 20/40 | m              | 6/49 | P1       | HBE |
| 516          | 6.5             | 153         | 178                         | 317                         | 352                   | 173                      |  | 133             | 75                | 56          | 51            | 23              | 19/40 | f              | 8/49 | P1       | HBE |
| 516          | 6.5             | 153         | 181                         | 323                         | 349                   | 164                      |  | 130             | 77                | 50          | 45            | 23              | 20/40 | f              | 5/49 |          | FCJ |
| 518          | 6 $\frac{1}{4}$ | 159         | 176                         | 316                         | 349                   | 178                      |  | 132             | 75                | 54          | 53            | 23              | 20/40 | m              | 7/49 | P1       | HBE |
| 519          | 6.5             | 153         | 177                         | 320                         | 344                   | 170                      |  | 130             | 78                | 53          | 50            | 22              | 18/37 | m              | 8/49 | P1       | HBE |
| 519          | 7               | 153         | 172                         | 316                         | 347                   | 170                      |  | 133             | 83                | 47          | 41            | 23              | 21/40 | m              | 9/48 |          | HHE |
| 523          | 7               | 157         | 179                         | 321                         | 351                   | 173                      |  | 139             | 89                | 51          | 46            | 22              | 18/40 | f              | 5/49 |          | FCJ |
| 524          | 6 $\frac{1}{2}$ | 155         | 180                         | 321                         | 354                   | 174                      |  | 131             | 80                | 55          | 53            | 24              | 21/39 | m              | 7/49 | P1       | HBE |
| 530          | 7               | 153         | 175                         | 325                         | 356                   | 174                      |  | 124             | 79                | 46          | 42            | 25              | 18/38 | m              | 8/48 | P1       | HHE |
| 531          | 7               | 155         | 180                         | 330                         | 360                   | 175                      |  | 134             | 82                | 55          | 51            | 24              | 17/38 | f              | 6/49 | P1       | KY  |



Table 68. Skipjack from the North Central Pacific:  
Hawaiian Islands (continued)

| Total Length | Weight           | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Edge Vent | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | Nc. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|------------------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|-----------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 533          | 7                | 154         | 181                         | 322                         | 356                   | 176                      |                                   | 140                    | 77              | 62                | 55          | 22            | 19/39           |     | 7/49           | Pl   | HBE      |
| 533          | 7.5              | 158         | 180                         | 338                         | 360                   | 173                      |                                   | 140                    | 81              | 51                | 51          | 22            | 19/37           | f   | 5/49           |      | KY       |
| 536          | 7.5              | 159         | 180                         | 327                         | 360                   | 177                      |                                   | 139                    | 84              | 60                | 57          | 24            | 19/37           | f   | 7/49           | Pl   | HBE      |
| 540          | 7.5              | 159         | 187                         | 333                         | 363                   | 179                      |                                   | 142                    | 82              | 57                | 52          | 23            | 18/37           | f   | 8/49           | Pl   | HBE      |
| 540          | 8                | 159         | 177                         | 330                         | 362                   | 184                      |                                   | 141                    | 85              | 48                | 47          | 22            | 18/41           | m   | 9/48           |      | HHE      |
| 545          | 7                | 158         | 184                         | 332                         | 366                   | 176                      |                                   | 138                    | 80              | 61                |             | 23            | 21/40           | m   | 7/49           | Pl   | HBE      |
| 546          | 6                | 154         | 175                         | 317                         | 347                   | 171                      |                                   | 130                    | 76              | 55                | 51          | 23            | 18/40           | m   | 6/49           | Pl   | HBE      |
| 549          | 8 $\frac{1}{2}$  | 161         | 187                         | 339                         | 368                   | 180                      |                                   | 142                    | 83              | 56                | 56          | 23            | 20/43           | m   | 6/49           |      | KY       |
| 552          | 8                | 163         | 190                         | 344                         | 371                   | 182                      |                                   | 142                    | 85              | 60                | 60          | 25            | 19/39           | f   | 8/49           | Pl   | HBE      |
| 559          | 9                | 168         | 190                         | 347                         | 380                   | 186                      |                                   | 151                    | 89              | 53                | 51          | 23            | 18/38           | m   | 5/49           | Pl   | HBE      |
| 560          | 8 $\frac{1}{2}$  | 163         | 191                         | 339                         | 372                   | 185                      |                                   | 145                    | 85              | 63                | 56          | 23            | 20/38           | m   | 7/49           | Pl   | HBE      |
| 565          | 9.5              | 165         | 191                         | 355                         | 387                   | 190                      |                                   | 143                    | 90              | 54                | 51          |               | 19/36           | m   | 9/48           |      | HHE      |
| 566          | 8                | 172         | 194                         | 355                         | 379                   | 196                      | 182                               | 146                    | 95              | 57                | 56          | 25            | 18/36           | m   | 1/50           | Tr   | MBS      |
| 568          | 9                | 169         | 198                         | 352                         | 389                   | 187                      |                                   | 152                    | 87              | 62                | 56          | 21            | 19/37           | f   | 5/49           | Pl   | KY       |
| 570          | 8 $\frac{1}{4}$  | 170         | 196                         | 357                         | 386                   | 190                      | 188                               | 138                    | 90              | 59                | 58          | 24            | 18/40           | m   | 1/50           | Tr   | MBS      |
| 574          | 10               | 175         | 198                         | 355                         | 391                   | 193                      |                                   | 154                    | 92              | 66                | 65          | 25            | 20/39           | m   | 9/49           | Pl   | HBE      |
| 581          | 10               | 172         | 198                         | 359                         | 403                   | 191                      |                                   | 152                    | 95              | 61                | 60          | 22            | 19/40           | m   | 5/49           |      | KY       |
| 584          | 9 $\frac{1}{2}$  | 173         | 201                         | 360                         | 387                   | 189                      |                                   | 146                    | 87              | 64                | 60          | 24            | 20/39           | m   | 9/49           | Pl   | HBE      |
| 589          | 11               | 179         | 208                         | 372                         | 402                   | 198                      |                                   | 155                    | 92              | 65                | 62          | 25            | 17/38           | f   | 5/49           |      | KY       |
| 596          | 11               | 177         | 206                         | 370                         | 405                   | 199                      |                                   | 166                    | 90              | 59                | 59          | 23            | 19/39           | m   | 5/49           |      | FCJ      |
| 611          | 9 $\frac{1}{2}$  | 178         | 208                         | 381                         | 412                   | 196                      |                                   | 154                    | 92              | 63                | 61          | 24            | 18/38           | f   | 5/49           | Pl   | KY       |
| 611          | 11               | 180         | 208                         | 377                         | 415                   | 197                      |                                   | 162                    | 94              | 67                | 63          | 23            | 18/36           | f   | 8/49           | Pl   | HBE      |
| 613          | 10               | 182         | 216                         | 379                         | 408                   | 210                      | 195                               | 152                    | 95              | 67                | 65          | 24            | 17/40           | f   | 2/50           | Tr   | JWR      |
| 618          | 12               | 188         | 219                         | 385                         | 426                   | 206                      |                                   | 169                    | 98              | 70                | 69          | 23            | 18/38           | f   | 8/49           | Pl   | HBE      |
| 620          | 12 $\frac{1}{2}$ | 186         | 213                         | 386                         | 421                   | 204                      |                                   | 174                    | 95              | 73                | 67          |               | 20/37           | f   | 8/49           | Pl   | HBE      |
| 633          | 11 $\frac{1}{2}$ | 189         | 215                         | 394                         | 430                   | 209                      |                                   | 168                    | 100             | 73                | 71          | 26            | 19/38           | f   | 8/49           | Pl   | HBE      |
| 638          | 12 $\frac{1}{2}$ | 192         | 227                         | 395                         | 436                   | 213                      |                                   | 175                    | 97              | 73                | 73          | 25            | 19/38           | f   | 8/49           | Pl   | HBE      |
| 639          | 14 $\frac{1}{4}$ | 195         | 223                         | 399                         | 438                   | 218                      |                                   | 168                    | 106             | 77                | 73          | 26            | 19/39           | m   | 6/49           | Pl   | KY       |
| 640          | 12               | 195         | 220                         | 398                         | 434                   | 217                      |                                   | 167                    | 103             | 73                | 69          | 26            | 20/39           | m   | 8/49           | Pl   | HBE      |

Table 68. Skipjack from the North Central Pacific:  
Hawaiian Islands (continued)

| Total Length | Weight           | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Edge Vent.<br>Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gen | Examined |
|--------------|------------------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|--|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|-----|----------|
| 643          | 15               | 192         | 222                         | 397                         | 431                   | 214                      | 174  | 108             | 77                | 72          | 26            | 21/39           | m   | 8/49           | P1  | HBE      |
| 652          | 13 $\frac{1}{2}$ | 194         | 227                         | 408                         | 443                   | 214                      | 171  | 108             | 80                | 81          | 26            | 20/39           | m   | 8/49           | P1  | HBE      |
| 660          | 15               | 193         | 222                         | 407                         | 444                   | 215                      | 165  | 105             | 75                | 70          | 24            | 19/37           | m   | 5/49           |     | KY       |
| 661          | 15 $\frac{1}{4}$ | 201         | 236                         | 418                         | 452                   | 222                      | 172  | 108             | 75                | 72          | 27            | 19/38           | f   | 6/49           | P1  | KY       |
| 670          | 16 $\frac{1}{2}$ | 199         | 232                         | 413                         | 447                   | 219                      | 171  | 106             | 77                | 72          | 25            | 18/40           | f   | 5/49           |     | FCJ      |
| 672          | 16 $\frac{1}{2}$ | 199         | 226                         | 421                         | 468                   | 220                      | 180  | 107             | 77                | 73          | 27            | 19/37           | f   | 7/49           | P1  | HBE      |
| 678          | 17               | 203         | 235                         | 428                         | 471                   | 223                      | 175  | 109             | 83                | 72          | 26            | 19/39           | f   | 5/49           |     | FCJ      |
| 686          | 15               | 207         | 236                         | 425                         | 457                   | 226                      | 177  | 110             | 86                | 82          | 26            | 21/40           | m   | 8/49           | P1  | HBE      |
| 687          | 17 $\frac{1}{2}$ | 206         | 238                         | 432                         | 467                   | 228                      | 184  | 116             | 80                | 80          | 26            | 18/38           | m   | 6/49           | P1  | HBE      |
| 690          | 17 $\frac{1}{2}$ | 200         | 232                         | 427                         | 472                   | 226                      | 184  | 106             | 74                | 72          | 26            | 19/39           | f   | 5/49           | P1  | KY       |
| 691          | 17 $\frac{1}{4}$ | 205         | 236                         | 428                         | 469                   | 226                      | 181  | 105             | 77                | 77          | 26            | 20/38           | m   | 6/49           | P1  | FCJ      |
| 692          | 16 $\frac{1}{2}$ | 202         | 235                         | 425                         | 462                   | 226                      | 181  | 107             | 82                | 80          | 26            | 21/39           | f   | 7/49           | P1  | HBE      |
| 692          | 18               | 208         | 243                         | 435                         | 471                   | 232                      | 181  | 112             | 81                | 79          | 25            | 20/40           | f   | 6/49           | P1  | KY       |
| 693          | 20               | 213         | 244                         | 432                         | 459                   | 223                      | 193  | 114             | 90                | 85          | 26            | 17/38           | m   | 6/49           | P1  | KY       |
| 695          | 18               | 204         | 225                         | 428                         | 474                   | 229                      | 180  | 106             | 80                | 73          | 26            | 20/43           | f   | 5/49           |     | FCJ      |
| 695          | 18               | 204         | 244                         | 441                         | 469                   | 224                      | 182  | 110             | 87                | 82          | 26            | 19/37           | m   | 7/49           | P1  | HBE      |
| 696          | 18 $\frac{3}{4}$ | 217         | 244                         | 427                         | 462                   | 231                      | 192  | 116             | 86                | 82          | 28            | 19/40           | m   | 6/49           | P1  | HBE      |
| 699          | 17               | 210         | 241                         | 442                         | 470                   | 231                      | 179  | 112             | 85                | 79          | 26            | 19/39           | m   | 7/49           | P1  | HBE      |
| 700          | 18               | 209         | 240                         | 432                         | 469                   | 234                      | 182  | 111             | 81                | 74          | 26            | 18/38           | f   | 6/49           | P1  | KY       |
| 700          | 18 $\frac{1}{4}$ | 208         | 241                         | 441                         | 472                   | 237                      | 179  | 119             | 81                | 78          | 24            | 18/36           | f   | 6/49           | P1  | KY       |
| 700          | 19               | 209         | 237                         | 428                         | 467                   | 228                      | 185  | 116             | 84                | 79          | 26            | 20/38           | m   | 7/49           | P1  | HBE      |
| 701          | 18               | 209         | 241                         | 434                         | 463                   | 231                      | 180  | 109             | 83                | 81          | 26            | 22/38           | m   | 6/49           | P1  | KY       |
| 702          | 19               | 214         | 239                         | 443                         | 483                   | 231                      | 190  | 116             | 86                | 78          | 25            | 19/39           | f   | 6/49           | P1  | FCJ      |
| 703          | 18               | 211         | 246                         | 435                         | 478                   | 234                      | 184  | 121             | 88                | 83          | 27            | 19/38           | f   | 7/49           | P1  | HBE      |
| 705          | 17 $\frac{1}{2}$ | 210         | 253                         | 445                         | 473                   | 233                      | 181  | 112             | 78                | 81          | 26            | 19/40           | f   | 6/49           | P1  | KY       |
| 705          | 18               | 207         | 247                         | 444                         | 476                   | 227                      | 175  | 111             | 84                | 78          | 27            | 21/39           | m   | 6/49           | P1  | KY       |
| 707          | 18.5             | 208         | 236                         | 437                         | 476                   | 232                      | 181  | 109             | 80                | 77          | 27            | 20/39           | m   | 6/49           | P1  | FCJ      |
| 708          | 18 $\frac{1}{2}$ | 212         | 247                         | 441                         | 471                   | 235                      | 183  | 115             | 93                | 87          | 26            | 19/40           | f   | 7/49           | P1  | HBE      |
| 709          | 20 $\frac{1}{2}$ | 211         | 239                         | 443                         | 474                   | 227                      | 190  | 118             | 82                |             | 27            | 18/39           | f   | 5/49           | P1  | KY       |
| 710          | 19               | 216         | 240                         | 437                         | 470                   | 234                      | 181  | 118             | 90                | 86          | 26            | 18/37           | m   | 6/49           | P1  | KY       |

Table 68. Skipjack from the North Central Pacific:  
Hawaiian Islands (continued)

| Total Length | Weight           | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Inf. Ventral to<br>Ant. Edge Ventr. | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|------------------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|-------------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 710          | 20 $\frac{1}{4}$ | 216         | 251                         | 448                         | 485                   | 238                      |                                     | 191                    | 117             | 80                | 76          | 25            | 18/38           | m   | 6/49           | P1   | KY       |
| 712          | 18 $\frac{5}{8}$ | 212         | 240                         | 448                         | 481                   | 235                      |                                     | 184                    | 109             | 84                | 78          | 26            | 18/36           | m   | 6/49           | P1   | FCJ      |
| 713          | 18 $\frac{1}{2}$ | 212         | 252                         | 455                         | 482                   | 231                      |                                     | 185                    | 115             | 77                | 77          | 27            | 19/38           | m   | 6/49           | P1   | KY       |
| 713          | 19 $\frac{1}{2}$ | 211         | 241                         | 442                         | 481                   | 233                      |                                     | 189                    | 110             | 78                | 78          | 27            | 18/37           | m   | 6/49           | P1   | FCJ      |
| 715          | 19               | 215         | 249                         | 443                         | 469                   | 227                      |                                     | 182                    | 115             | 86                | 80          | 25            | 20/40           | f   | 6/49           | P1   | KY       |
| 715          | 19 $\frac{3}{4}$ | 214         | 249                         | 454                         | 480                   | 237                      |                                     | 190                    | 115             | 85                | 83          | 26            | 20/37           | f   | 6/49           | P1   | KY       |
| 716          | 19.5             | 206         | 241                         | 447                         | 478                   | 225                      |                                     | 184                    | 114             | 74                | 75          | 26            | 22/42           | m   | 5/49           | P1   | KY       |
| 719          | 18.5             | 215         | 250                         | 445                         | 480                   | 235                      |                                     | 185                    | 111             | 85                | 82          | 25            | 18/35           | f   | 6/49           | P1   | HBE      |
| 720          | 18               | 212         | 244                         | 445                         | 485                   | 235                      |                                     | 182                    | 112             | 82                | 84          | 25            | 19/40           | f   | 6/49           | P1   | KY       |
| 720          | 18 $\frac{1}{2}$ | 208         | 243                         | 437                         | 481                   | 231                      |                                     | 182                    | 115             | 90                | 86          | 26            | 19/39           | m   | 7/49           | P1   | HBE      |
| 722          | 20               | 218         | 255                         | 456                         | 487                   | 240                      |                                     | 183                    | 116             | 92                | 87          | 28            | 21/39           | f   | 6/49           | P1   | KY       |
| 723          | 19               | 211         | 249                         | 453                         | 489                   | 235                      |                                     | 184                    | 116             | 87                | 84          | 27            | 18/40           | f   | 6/49           | P1   | HBE      |
| 723          | 19 $\frac{1}{2}$ | 211         | 240                         | 445                         | 485                   | 238                      |                                     | 192                    | 116             | 87                | 82          | 28            |                 | f   | 6/49           | P1   | HBE      |
| 723          | 20 $\frac{1}{2}$ | 209         | 247                         | 451                         | 480                   | 231                      |                                     | 185                    | 122             | 84                | 80          | 26            | 19/38           | m   | 6/49           | P1   | KY       |
| 723          | 21               | 214         | 250                         | 446                         | 491                   | 234                      |                                     | 190                    | 116             | 87                | 83          | 28            | 18/40           | f   | 10/49          | P1   | JWR      |
| 725          | 20               | 215         | 251                         | 449                         | 491                   | 236                      |                                     | 195                    | 120             | 85                | 86          | 27            | 19/38           | m   | 6/49           | P1   | HBE      |
| 727          | 21 $\frac{1}{2}$ | 217         | 252                         | 459                         | 491                   | 238                      |                                     | 201                    | 126             | 75                | 77          | 27            | 19/36           | f   | 5/49           | P1   | HBE      |
| 728          | 20               | 217         | 249                         | 456                         | 498                   | 242                      | 247                                 | 183                    | 120             | 85                | 80          | 27            | 21/39           | f   | 10/52          |      | TO       |
| 729          | 20 $\frac{1}{2}$ | 217         | 249                         | 448                         | 486                   | 240                      |                                     | 191                    | 118             | 99                | 88          | 26            | 21/40           | m   | 7/49           | P1   | HBE      |
| 729          | 20.5             | 223         | 265                         | 463                         | 491                   | 245                      |                                     | 195                    | 114             | 86                | 77          | 27            | 19/41           | f   | 6/49           | P1   | HBE      |
| 738          | 21 $\frac{1}{2}$ | 225         | 259                         | 456                         | 504                   | 243                      |                                     | 187                    | 112             | 79                | 78          | 27            | 19/38           | m   | 5/49           | P1   | HBE      |
| 739          | 21 $\frac{1}{2}$ | 223         | 257                         | 464                         | 499                   | 247                      |                                     | 194                    | 119             | 92                | 79          | 27            | 18/41           | m   | 6/49           | P1   | HBE      |
| 743          |                  | 221         | 257                         | 468                         | 504                   | 247                      |                                     | 182                    | 123             | 79                | 74          | 26            |                 | m   | 1/48           | Tr   | MBS      |
| 746          | 20 $\frac{1}{2}$ | 221         | 252                         | 460                         | 510                   | 247                      |                                     | 194                    | 116             | 87                | 85          | 27            | 19/36           | m   | 6/49           | P1   | KY       |
| 747          | 23               | 219         | 250                         | 464                         | 511                   | 246                      |                                     | 198                    | 117             | 85                | 82          | 28            | 18/37           | f   | 5/49           | P1   | KY       |
| 747          | 23 $\frac{1}{4}$ | 226         | 251                         | 457                         | 510                   | 249                      |                                     | 200                    | 122             | 89                | 83          | 27            | 20/40           | f   | 6/49           | P1   | KY       |
| 749          | 23 $\frac{1}{4}$ | 226         | 264                         | 470                         | 509                   | 251                      |                                     | 201                    | 122             | 87                | 82          | 28            | 21/40           | f   | 6/49           | P1   | KY       |
| 750          | 24               | 227         | 256                         | 469                         | 510                   | 251                      |                                     | 198                    | 122             |                   | 89          | 30            |                 |     | 5/49           | P1   | KY       |
| 752          | 22 $\frac{1}{2}$ | 219         | 254                         | 464                         | 505                   | 245                      |                                     | 194                    | 110             | 85                | 87          | 26            | 20/40           | f   | 5/49           |      | KY       |
| 754          | 21.5             | 221         | 249                         | 464                         | 514                   | 246                      |                                     | 189                    | 116             | 79                | 81          | 27            | 18/38           | f   | 6/49           | P1   | FCJ      |

Table 68. Skipjack from the North Central Pacific:  
Hawaiian Islands (continued)

| Total Length | Weight           | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Edge Vent. | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|------------------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|------------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 754          | 22.5             | 219         | 248                         | 469                         | 506                   | 243                      |                                    | 197                    | 117             | 86                | 84          | 26            | 19/36           | m   | 5/49           | P1   | KY       |
| 756          | 25               | 232         | 262                         | 478                         | 507                   | 248                      |                                    | 209                    | 122             | 93                | 86          | 28            | 19/40           | m   | 5/49           |      | FCJ      |
| 757          | 24.5             | 224         | 261                         | 481                         | 527                   | 247                      |                                    | 206                    | 118             | 89                | 80          | 28            | 19/40           | f   | 5/49           |      | FCJ      |
| 761          | 23               | 222         | 250                         | 467                         | 512                   | 241                      |                                    | 190                    | 121             | 101               | 95          | 28            | 18/39           | f   | 10/49          | P1   | JWR      |
| 761          | 25               | 223         | 256                         | 472                         | 514                   | 247                      |                                    | 210                    | 115             | 79                | 73          | 27            | 18/37           | f   | 5/49           | P1   | FCJ      |
| 762          | 23               | 223         | 259                         | 468                         | 507                   | 246                      |                                    | 197                    | 123             | 95                | 90          | 27            | 19/36           | m   | 6/49           | P1   | KY       |
| 762          | 24.5             | 227         | 258                         | 474                         | 518                   | 254                      |                                    | 206                    | 116             | 86                | 90          | 27            | 20/39           | f   | 5/49           |      | KY       |
| 765          | 26 $\frac{1}{2}$ | 234         | 269                         | 487                         | 528                   | 252                      |                                    | 212                    | 125             | 94                | 89          | 29            | 20/42           | m   | 5/49           |      | FCJ      |
| 766          | 25 $\frac{3}{4}$ | 231         | 261                         | 474                         | 515                   | 254                      |                                    | 202                    | 120             | 95                | 93          | 29            | 20/39           | m   | 6/49           | P1   | KY       |
| 767          | 21 $\frac{1}{4}$ | 225         | 264                         | 481                         | 510                   | 244                      |                                    | 192                    | 128             | 91                | 90          | 29            | 18/38           | f   | 6/49           | P1   | KY       |
| 767          | 22 $\frac{1}{2}$ | 223         | 262                         | 471                         | 509                   | 260                      |                                    | 191                    | 114             | 96                | 96          | 29            | 18/40           | m   | 10/49          | P1   | JWR      |
| 767          | 23.5             | 221         | 258                         | 480                         | 518                   | 245                      |                                    | 201                    | 119             | 82                | 79          | 28            | 20/41           | f   | 6/49           | P1   | FCJ      |
| 771          | 24               | 232         | 265                         | 482                         | 520                   | 255                      |                                    | 194                    | 124             | 93                | 89          | 28            | 19/39           | m   | 6/49           | P1   | KY       |
| 772          | 23               | 227         | 259                         | 476                         | 514                   | 251                      |                                    | 194                    | 122             | 91                | 86          | 27            | 19/37           | m   | 6/49           | P1   | KY       |
| 772          | 25               | 228         | 257                         | 480                         | 527                   | 251                      |                                    | 201                    | 125             | 93                | 89          | 30            | 18/39           | f   | 5/49           |      | FCJ      |
| 772          | 25 $\frac{1}{4}$ | 230         | 262                         | 489                         | 530                   | 230                      |                                    | 200                    | 130             | 92                | 90          | 27            | 20/40           | f   | 6/49           | P1   | FCJ      |
| 774          | 25               | 229         | 265                         | 486                         | 523                   | 252                      |                                    | 206                    | 124             | 93                | 87          | 28            | 18/38           | m   | 6/49           | P1   | FCJ      |
| 775          | 27 $\frac{1}{4}$ | 234         | 258                         | 489                         | 519                   | 262                      |                                    | 211                    | 130             | 94                | 96          | 29            | 19/38           | m   | 6/49           | P1   | KY       |
| 777          | 26               | 227         | 263                         | 482                         | 521                   | 255                      |                                    | 205                    | 119             | 90                | 90          | 28            | 19/41           | f   | 6/49           | P1   | FCJ      |
| 778          | 28 $\frac{1}{2}$ | 233         | 275                         | 491                         | 522                   | 264                      |                                    | 212                    | 134             | 106               | 97          | 29            | 19/41           | f   | 10/49          | P1   | JWR      |
| 783          | 25               | 223         | 262                         | 491                         | 534                   | 251                      |                                    |                        |                 |                   |             |               | 21/38           |     | 5/49           |      | FCJ      |
| 783          | 25               | 231         | 259                         | 487                         | 540                   | 232                      |                                    |                        | 131             | 89                | 88          | 28            |                 |     | 5/49           | P1   | HBE      |
| 784          |                  | 242         | 273                         | 494                         | 536                   | 266                      | 264                                | 203                    |                 | 101               | 89          | 32            | 18/37           | f   | 10/52          | L1   | III      |
| 785          | 26 $\frac{1}{2}$ | 237         | 264                         | 494                         | 544                   | 264                      |                                    | 210                    | 126             | 102               | 98          | 28            | 18/40           | m   | 5/49           | P1   | KY       |
| 785          | 26.5             | 238         | 277                         | 505                         | 541                   | 260                      |                                    | 208                    | 128             | 97                | 95          | 27            | 20/40           | f   | 6/49           | P1   | KY       |
| 785          | 27               | 236         | 269                         | 500                         | 544                   | 259                      |                                    | 207                    | 124             | 97                | 92          | 29            | 20/43           | f   | 6/49           | P1   | HBE      |
| 786          | 27.5             | 233         | 273                         | 490                         | 541                   | 258                      |                                    | 211                    | 129             | 90                | 82          | 29            | 18/37           | m   | 5/49           | P1   | FCJ      |
| 789          | 26               | 231         | 268                         | 484                         | 535                   | 253                      |                                    | 213                    | 119             | 91                | 84          | 28            |                 |     | 5/49           | P1   | KY       |
| 791          | 27               | 231         | 269                         | 489                         | 534                   | 255                      |                                    | 210                    | 121             |                   | 91          | 28            |                 |     | 5/49           | P1   | HBE      |
| 792          | 26               | 234         | 269                         | 490                         | 532                   | 259                      |                                    | 202                    | 129             | 90                | 90          | 28            | 19/38           | m   | 5/49           |      | KY       |

Table 68. Skipjack from the North Central Pacific:  
Hawaiian Islands (continued)

| Total Length | Weight           | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Edge Ventr. | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|------------------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|-------------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 793          | 26 $\frac{1}{2}$ | 234         | 265                         | 494                         | 542                   | 259                      |                                     |                        | 129             | 100               | 91          | 29            |                 |     |                |      | KY       |
| 794          | 27               | 234         | 265                         | 492                         | 537                   | 262                      |                                     | 207                    | 130             | 94                | 91          | 28            | 20/39           | m   | 5/49           | P1   | FCJ      |
| 794          | 28 $\frac{1}{2}$ | 240         | 268                         | 493                         | 541                   | 265                      |                                     | 220                    | 132             | 100               | 103         | 29            |                 |     | 9/49           | P1   | HBE      |
| 795          | 28               | 236         | 274                         | 488                         | 533                   | 263                      |                                     | 215                    | 125             | 101               | 96          | 30            | 20/41           | m   | 6/49           | P1   | HBE      |
| 797          | 28               | 232         | 269                         | 496                         | 534                   | 255                      |                                     | 208                    | 123             | 107               | 96          | 29            | 19/39           | m   | 6/49           | P1   | KY       |
| 798          | 29               | 239         | 274                         | 505                         | 552                   | 266                      |                                     | 211                    | 131             | 95                | 91          | 29            | 19/40           | f   | 5/49           |      | FCJ      |
| 799          | 27.5             | 235         | 266                         | 500                         | 542                   | 260                      |                                     | 207                    | 128             | 92                | 81          | 29            | 19/41           | m   | 5/49           |      | FCJ      |
| 799          | 28               | 238         | 275                         | 498                         | 535                   | 263                      |                                     | 215                    | 129             | 105               | 95          | 28            | 16/39           | m   | 6/49           | P1   | HBE      |
| 801          | 28               | 237         | 266                         | 557                         | 549                   | 259                      |                                     | 216                    | 127             | 89                | 88          | 28            | 19/40           | m   | 8/48           |      | HHE      |
| 801          | 28               | 239         | 275                         | 504                         | 540                   | 262                      |                                     | 213                    | 129             | 93                | 90          | 29            | 18/40           | m   | 6/49           | P1   | HBE      |
| 802          | 26.5             | 233         | 268                         | 498                         | 548                   | 259                      |                                     | 205                    | 125             | 94                | 89          | 28            | 20/41           | f   | 6/49           | P1   | FCJ      |
| 806          | 29               | 236         | 274                         | 509                         | 552                   | 264                      |                                     | 219                    | 121             | 89                | 88          | 27            | 19/37           | m   | 5/49           |      | KY       |
| 809          | 24 $\frac{1}{2}$ | 240         | 276                         | 493                         | 531                   | 269                      |                                     | 206                    | 120             | 98                | 90          | 30            | 21/38           | m   | 7/49           | P1   | HBE      |
| 814          | 28               | 232         | 272                         | 507                         | 548                   | 257                      |                                     | 217                    | 124             | 87                | 86          | 28            | 18/37           | m   | 5/49           |      | FCJ      |
| 814          | 30 $\frac{1}{4}$ | 240         | 271                         | 500                         | 556                   | 271                      |                                     | 213                    | 127             | 97                | 93          | 28            | 20/36           | f   | 6/49           | P1   | KY       |
| 816          | 26               | 244         | 269                         | 503                         | 549                   | 270                      |                                     | 209                    | 133             | 101               | 97          | 28            | 21/40           | m   | 7/49           | P1   | HBE      |
| 819          | 29.5             | 245         | 279                         | 507                         | 555                   | 271                      |                                     | 212                    | 130             | 95                | 99          | 29            | 19/40           | m   | 6/49           | P1   | HBE      |
| 820          | 29.5             | 243         | 281                         | 510                         | 559                   | 274                      |                                     | 209                    | 137             | 104               | 98          | 29            | 17/42           | m   | 6/49           | P1   | HBE      |
| 820          | 30 $\frac{1}{2}$ | 246         | 284                         | 524                         | 551                   | 268                      |                                     | 223                    | 137             | 96                | 103         | 30            | 21/39           | m   | 8/49           | P1   | HBE      |
| 821          | 30               | 238         | 269                         | 502                         | 545                   | 259                      |                                     | 217                    | 131             | 95                | 88          | 28            |                 |     | 5/49           | P1   | KY       |
| 826          | 25.5             | 248         | 288                         | 522                         | 554                   | 276                      |                                     | 227                    | 132             | 103               | 94          | 30            | 20/41           | m   | 6/49           | P1   | FCJ      |
| 834          | 39               | 250         | 283                         | 517                         | 564                   | 281                      |                                     | 213                    | 125             | 102               | 96          | 31            | 20/41           | m   | 5/49           | P1   | KY       |
| 835          | 31 $\frac{1}{2}$ | 246         | 278                         | 522                         | 564                   | 273                      |                                     | 220                    | 131             | 106               | 102         | 30            | 20/41           | m   | 6/49           | P1   | HBE      |
| 845          | 32               | 253         | 285                         | 519                         | 578                   | 282                      |                                     | 218                    | 135             |                   | 100         | 30            | 19/38           | f   | 6/49           | P1   | HBE      |
| 877          | 35               | 260         | 285                         | 542                         | 588                   | 287                      |                                     | 231                    | 143             | 103               | 110         | 31            | 22/39           | f   | 8/49           | P1   | HBE      |

Table 69 Skipjack from the Northwestern Pacific:  
Marianas

|     |     |     |     |     |     |     |  |     |    |    |    |    |  |  |      |    |     |
|-----|-----|-----|-----|-----|-----|-----|--|-----|----|----|----|----|--|--|------|----|-----|
| 421 | 3   | 124 | 142 | 258 | 283 | 138 |  | 108 | 63 | 36 | 35 | 20 |  |  | 6/49 |    | FCC |
| 423 | 3.2 | 127 | 144 | 259 | 292 |     |  | 107 |    | 35 | 34 | 19 |  |  | 6/49 | P1 | FCC |
| 427 | 3.4 | 129 | 148 | 263 | 281 | 137 |  | 112 | 65 | 36 | 36 | 20 |  |  | 6/49 | P1 | FCC |
| 429 | 3.3 | 126 | 148 | 267 | 286 | 138 |  | 111 | 62 |    |    | 20 |  |  | 6/49 | P1 | FCC |
| 429 | 3.4 | 127 | 141 | 261 | 287 | 139 |  | 112 | 70 | 37 | 35 | 20 |  |  | 6/49 | P1 | FCC |

Table 69 Skipjack from the Northwestern Pacific:  
Marianas (continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Edge Vent<br>Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Class | Examiner |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|---|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|-------|----------|
| 430          | 3.1    | 127         | 148                         | 268                         | 285                   | 140                      | 109   | 64              |                   |             | 20            |                 |     | 6/49           | P1    | FCC      |
| 431          | 3.2    | 128         | 148                         | 265                         | 283                   | 142                      | 106   | 65              | 36                | 37          | 21            |                 |     | 6/49           | P1    | FCC      |
| 435          | 3.1    | 128         | 147                         | 264                         | 289                   | 142                      | 104   | 66              | 36                | 36          | 20            |                 |     | 6/49           | P1    | FCC      |
| 436          | 3.5    | 134         | 147                         | 269                         | 293                   | 147                      | 114   | 65              | 36                | 35          | 21            |                 |     | 6/49           | P1    | FCC      |
| 439          | 3.3    | 132         | 150                         | 273                         | 297                   | 147                      | 104   | 66              | 38                | 36          | 19            |                 |     | 6/49           | P1    | FCC      |
| 440          | 3.5    | 131         | 149                         | 272                         | 298                   | 146                      | 113   | 67              | 38                | 39          | 20            |                 |     | 6/49           | P1    | FCC      |
| 441          | 3.4    | 133         | 151                         | 271                         | 296                   | 148                      | 107   | 69              | 37                | 36          | 21            |                 |     | 6/49           | P1    | FCC      |
| 443          | 3.6    | 131         | 150                         | 275                         | 301                   | 146                      | 109   | 69              | 37                | 40          | 21            |                 |     | 6/49           |       | FCC      |
| 444          | 3.5    | 133         | 148                         | 271                         | 299                   | 147                      | 110   | 68              | 37                | 37          | 20            |                 |     | 6/49           | P1    | FCC      |
| 444          | 3.6    | 133         | 152                         | 275                         | 298                   | 147                      | 113   | 70              | 41                | 38          | 22            |                 |     | 6/49           | P1    | FCC      |
| 446          | 3.6    | 132         | 151                         | 277                         | 297                   | 144                      | 112   | 69              | 39                | 36          | 21            |                 |     | 6/49           | P1    | FCC      |
| 446          | 3.6    | 133         | 151                         | 277                         | 299                   | 148                      | 114   | 66              | 40                | 38          | 20            |                 |     | 6/49           | P1    | FCC      |
| 446          | 3.8    | 136         | 156                         | 279                         | 294                   | 144                      | 110   |                 | 39                | 37          | 19            |                 |     | 6/49           | P1    | FCC      |
| 447          | 3.4    | 135         | 155                         | 278                         | 298                   |                          | 110   |                 | 40                | 39          | 22            |                 |     | 6/49           | P1    | FCC      |
| 451          | 3.6    | 135         | 148                         | 275                         | 303                   | 149                      | 113   | 69              | 41                |             | 21            |                 |     | 6/49           | P1    | FCC      |
| 452          | 3.6    | 134         | 152                         | 279                         | 306                   | 148                      | 112   | 69              | 38                | 38          | 20            |                 |     | 6/49           | P1    | FCC      |
| 453          | 3.7    | 134         | 153                         | 280                         | 306                   | 149                      | 113   | 72              | 41                | 42          | 21            |                 |     | 6/49           | P1    | FCC      |
| 456          | 3.8    | 134         | 151                         | 280                         | 304                   | 151                      | 114   | 67              | 41                | 39          | 20            |                 |     | 6/49           | P1    | FCC      |
| 456          | 3.8    | 135         | 155                         | 283                         | 308                   | 149                      | 114   |                 | 39                | 38          | 21            |                 |     | 6/49           | P1    | FCC      |
| 456          | 4.3    | 143         | 159                         | 288                         | 302                   | 152                      | 123   | 71              | 42                | 42          | 22            |                 |     | 6/49           | P1    | FCC      |
| 459          | 3.7    | 135         | 154                         | 282                         | 307                   | 151                      | 109   | 65              |                   |             | 20            |                 |     | 6/49           | P1    | FCC      |
| 459          | 4.1    | 138         | 159                         | 286                         | 306                   | 153                      | 116   | 71              |                   | 41          | 21            |                 |     | 6/49           | P1    | FCC      |
| 459          | 4.1    | 140         | 156                         | 284                         | 308                   | 153                      | 118   | 69              | 42                | 41          | 21            |                 |     | 6/49           | P1    | FCC      |
| 468          | 4.1    | 140         | 157                         | 288                         | 319                   | 156                      | 116   | 68              | 44                | 42          | 22            |                 |     | 6/49           | P1    | FCC      |
| 474          | 4.4    | 143         | 161                         | 289                         | 317                   | 159                      | 119   | 74              | 45                | 44          | 22            |                 |     | 6/49           | P1    | FCC      |
| 479          | 4.4    | 149         | 166                         | 296                         | 320                   | 160                      | 117   | 81              | 47                | 44          | 23            |                 |     | 6/49           | P1    | FCC      |
| 481          | 4.3    | 146         | 166                         | 299                         | 330                   | 161                      | 119   | 78              | 46                | 45          | 23            |                 |     | 6/49           | P1    | FCC      |
| 499          | 6      | 147         | 168                         | 307                         | 331                   | 165                      | 132   | 78              | 47                | 48          | 22            |                 |     | 3/49           | Tr    | MBS      |

Table 70 Skipjack from the Northwestern Pacific:  
Japan

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Edge Vent | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|-----------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 436          | 3.6    | 125         | 145                         | 267                         | 288                   | 140                      |                                   | 113                    | 61              | 43                | 43          | 19            | 18/38           |     | 5/49           | P1   | BMS      |
| 436          | 3.7    | 128         | 148                         | 270                         | 295                   | 141                      |                                   | 108                    | 59              | 44                | 40          | 19            | 21/36           |     | 5/49           | P1   | BMS      |
| 439          | 4.0    | 132         | 150                         | 267                         | 291                   | 145                      |                                   | 113                    | 59              | 44                | 43          | 20            | 17/34           |     | 5/49           | P1   | BMS      |
| 441          | 3.7    | 126         | 146                         | 266                         | 294                   | 140                      |                                   | 110                    | 57              | 44                | 38          | 19            | 18/35           |     | 5/49           | P1   | BMS      |
| 466          | 4.6    | 137         | 162                         | 288                         | 305                   | 149                      |                                   | 120                    | 65              | 49                | 45          | 21            | 18/40           |     | 5/49           |      | BMS      |
| 474          | 4.6    | 140         | 161                         | 293                         | 316                   | 155                      |                                   | 120                    | 64              | 45                |             | 20            | 17/37           | f   | 6/49           | P1   | BMS      |
| 484          | 5.2    | 144         | 167                         | 296                         | 324                   | 160                      |                                   | 128                    | 68              | 48                | 48          | 22            | 19/39           |     | 5/49           | P1   | BMS      |
| 492          | 4.5    | 141         | 163                         | 300                         | 327                   | 155                      |                                   | 126                    | 68              | 48                | 43          | 21            | 20/37           |     | 6/49           | P1   | BMS      |
| 527          | 7.3    | 156         | 179                         | 324                         | 354                   | 171                      |                                   | 139                    | 78              | 53                | 49          | 22            | 17/35           | m   | 6/49           | P1   | BMS      |
| 539          | 7.6    | 158         | 184                         | 331                         | 352                   | 174                      |                                   | 147                    | 79              | 59                | 57          | 23            | 18/35           |     | 5/49           |      | BMS      |
| 545          | 8.0    | 161         | 187                         | 330                         | 364                   | 176                      |                                   | 143                    | 80              | 59                | 58          | 22            | 19/37           |     | 5/49           | P1   | BMS      |
| 552          | 8.5    | 164         | 190                         | 341                         | 376                   | 181                      |                                   | 142                    | 79              | 58                | 48          | 23            | 19/36           |     | 5/49           | P1   | BMS      |
| 569          | 9.0    | 172         | 192                         | 349                         | 383                   | 189                      |                                   | 147                    | 86              | 63                | 57          | 24            | 21/41           |     | 5/49           | P1   | BMS      |
| 580          | 9.6    | 171         | 195                         | 356                         | 384                   | 182                      |                                   | 148                    | 85              | 63                | 59          | 23            | 21/40           |     | 5/49           |      | BMS      |
| 584          | 10.2   | 173         | 203                         | 368                         | 393                   | 185                      |                                   | 150                    | 87              | 65                | 62          | 25            | 16/38           |     | 5/49           | P1   | BMS      |
| 589          | 10.0   | 181         | 201                         | 360                         | 393                   | 183                      |                                   | 156                    | 86              | 65                | 61          | 27            | 18/37           |     | 5/49           | P1   | BMS      |
| 597          | 10.6   | 175         | 202                         | 365                         | 400                   | 193                      |                                   | 159                    | 99              | 73                | 66          | 24            | 19/35           |     | 5/49           | P1   | BMS      |
| 600          | 9.4    | 177         | 202                         | 370                         | 398                   | 193                      |                                   | 144                    | 91              | 65                | 63          | 25            | 19/37           |     | 5/49           | P1   | BMS      |
| 600          | 10.6   | 176         | 200                         | 368                         | 399                   | 193                      |                                   | 150                    |                 | 74                | 66          | 25            | 19/37           |     | 5/49           | P1   | BMS      |
| 603          | 10.7   | 181         | 205                         | 374                         | 403                   | 199                      |                                   | 154                    | 89              | 69                | 65          | 25            | 18/38           |     | 5/49           | P1   | BMS      |
| 609          | 10.8   | 184         | 207                         | 377                         | 409                   | 202                      |                                   | 156                    | 92              | 69                | 63          | 25            |                 |     | 5/49           | P1   | BMS      |
| 618          | 12.5   | 184         | 214                         | 386                         | 408                   | 201                      |                                   | 162                    | 98              | 71                | 70          | 24            |                 |     | 5/49           |      | BMS      |
| 621          | 11.8   | 183         | 212                         | 382                         | 411                   | 200                      |                                   | 162                    | 92              | 67                | 67          | 25            | 18/37           |     | 5/49           | P1   | BMS      |
| 627          | 12.8   | 189         | 215                         | 390                         | 423                   | 209                      |                                   | 166                    | 101             | 76                | 72          | 26            | 17/36           |     | 5/49           | P1   | BMS      |
| 629          | 13.6   | 185         | 219                         | 385                         | 418                   | 203                      |                                   | 173                    | 96              | 73                | 70          | 25            | 11/39           |     | 5/49           |      | BMS      |
| 639          | 13.7   | 192         | 220                         | 397                         | 437                   | 214                      |                                   | 168                    | 98              | 80                | 73          | 27            | 19/37           |     | 5/49           | P1   | BMS      |
| 645          | 13.8   | 192         | 216                         | 397                         | 431                   | 209                      |                                   | 175                    | 100             | 73                | 67          | 25            |                 |     | 5/49           | P1   | BMS      |
| 664          | 14.5   | 198         | 223                         | 409                         | 448                   | 217                      |                                   | 166                    | 101             | 80                | 75          | 25            | 19/38           |     | 5/49           | P1   | BMS      |
| 673          | 16.7   | 203         | 227                         | 421                         | 463                   | 225                      |                                   | 183                    | 113             | 83                | 84          | 27            | 18/34           |     | 5/49           | P1   | BMS      |
| 695          | 16.6   | 213         | 233                         | 433                         | 474                   | 237                      |                                   | 195                    | 76              | 78                | 78          | 21            | 18/37           | f   | 4/49           | L1   | BMS      |
| 751          | 27     | 221         | 260                         | 469                         | 510                   | 241                      |                                   | 200                    | 110             | 77                | 74          | 29            | 19/37           | f   | 5/49           | P1   | BMS      |
| 762          | 24     | 228         | 263                         | 480                         | 508                   | 248                      |                                   | 208                    | 118             | 81                | 82          | 30            | 18/35           |     | 5/49           |      | BMS      |

Table 71. Skipjack from the Northwestern Pacific  
Omaezaki Shizuoka Prefecture, Japan\*

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Ventral | Greatest Body<br>Depth | Length Pectoral | No. Gill Rakers | Sex | Month and Year | Gear |
|--------------|--------|-------------|-----------------------------|-----------------------------|--------------------------|------------------------|-----------------|-----------------|-----|----------------|------|
| 252          | .56    | 71          | 80                          | 151                         | 70                       | 62                     | 30              |                 |     | 8/48           | P1   |
| 259          | .56    | 69          | 81                          |                             | 80                       | 57                     | 30              |                 |     | 8/48           | P1   |
| 266          | .62    | 74          | 84                          | 155                         | 82                       | 63                     | 33              |                 |     | 9/48           | P1   |
| 272          |        | 76          | 90                          | 161                         | 86                       | 66                     | 32              |                 |     | 9/48           | P1   |
| 274          | .69    | 75          | 89                          | 161                         | 86                       | 68                     | 34              | 18/36           |     | 9/48           | P1   |
| 276          | .67    | 76          | 90                          | 161                         | 91                       | 65                     | 35              | 18/36           |     | 9/48           | P1   |
| 279          | .78    | 80          | 92                          |                             | 92                       | 79                     | 36              | 18/41           |     | 9/48           | P1   |
| 281          | .82    | 81          | 93                          | 171                         | 89                       | 70                     | 35              |                 |     | 8/48           | P1   |
| 282          | .67    | 77          | 92                          | 164                         | 89                       | 63                     | 32              | 20/38           |     | 9/48           | P1   |
| 301          | 1.0    | 81          | 92                          | 176                         | 94                       | 77                     | 41              | 8/22            |     | 9/48           | P1   |
| 302          | 1.0    | 86          | 98                          | 179                         | 96                       |                        | 37              | 16/38           |     | 9/48           | P1   |
| 306          | 1.0    | 86          | 102                         | 182                         | 98                       | 75                     | 37              | 18/36           |     | 9/48           | P1   |
| 318          | 1.2    | 89          | 107                         |                             | 97                       | 76                     | 41              | 19/38           |     | 9/48           | P1   |
| 318          | 1.3    | 84          | 100                         | 188                         | 96                       | 69                     | 34              | 21/39           |     | 7/48           | P1   |
| 323          | 1.2    | 85          | 104                         | 193                         | 99                       | 78                     | 41              | 20/38           |     | 7/48           | P1   |
| 324          | 1.1    | 92          | 105                         | 195                         | 104                      | 73                     | 41              | 19/37           |     | 9/48           | P1   |
| 327          | 1.6    | 90          | 108                         | 195                         | 103                      | 78                     | 40              | 17/38           | f   | 8/48           | P1   |
| 330          | 1.3    | 93          | 108                         | 197                         | 108                      | 81                     | 43              | 18/40           | f   | 8/48           | P1   |
| 330          | 1.4    | 93          | 110                         | 199                         | 106                      | 87                     | 42              | 18/38           | m   | 7/48           | P1   |
| 345          | 1.7    | 98          | 115                         |                             | 111                      | 88                     | 45              | 18/39           |     | 9/48           | P1   |
| 346          | 1.6    | 98          | 114                         |                             | 110                      | 82                     | 44              | 19/38           |     | 5/48           | P1   |
| 347          | 1.7    | 94          | 114                         | 206                         | 108                      | 84                     | 44              | 19/37           | f   | 7/48           | P1   |
| 354          | 1.8    | 99          | 120                         |                             | 113                      | 91                     | 45              | 18/38           |     | 9/48           | P1   |
| 359          | 2.0    | 101         | 118                         | 216                         | 113                      | 95                     | 46              | 17/39           |     | 8/48           | P1   |
| 364          | 2.0    | 105         | 124                         | 224                         | 118                      | 96                     | 48              | 19/36           | f   | 9/48           | P1   |
| 368          | 2.1    | 103         | 118                         | 222                         | 118                      | 90                     | 47              | 18/36           | m   | 6/48           | P1   |
| 368          | 2.2    | 105         | 125                         | 230                         | 118                      | 94                     | 49              | 18/36           |     | 9/48           | P1   |
| 369          | 2.0    | 101         | 120                         |                             | 118                      | 87                     | 46              | 18/37           |     | 5/48           | P1   |
| 372          | 2.2    | 108         | 126                         |                             | 122                      | 99                     | 50              | 18/37           |     | 9/48           | P1   |
| 380          | 2.1    | 109         | 124                         | 226                         | 123                      | 90                     | 50              | 21/31           |     | 7/48           | P1   |

\*Contributed by the Japanese Fishery Agency



Table 71. Skipjack from the Northwestern Pacific:  
Omaezaki, Shizuoka Prefecture, Japan (continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Ventral | Greatest Girth<br>Depth | Length Pectoral | No. Gill Rakers | Sex | Month and Year | Gear |
|--------------|--------|-------------|-----------------------------|-----------------------------|--------------------------|-------------------------|-----------------|-----------------|-----|----------------|------|
| 382          | 2.3    | 109         | 122                         | 230                         | 121                      | 97                      | 50              | 20/40           |     | 9/48           | P1   |
| 388          | 1.8    | 98          | 116                         | 209                         | 111                      | 93                      | 45              | 17/35           |     | 7/48           | P1   |
| 388          | 2.3    | 110         | 126                         | 232                         | 125                      | 96                      | 49              | 19/38           |     | 9/48           | P1   |
| 391          | 2.4    | 111         | 131                         | 240                         | 125                      | 101                     | 54              | 16/36           | m   | 7/48           | P1   |
| 392          | 2.6    | 107         | 130                         | 237                         | 122                      | 95                      | 51              | 20/37           |     | 5/48           | P1   |
| 397          | 2.8    | 116         | 136                         | 250                         | 130                      | 110                     | 51              | 20/39           | m   | 9/48           | P1   |
| 398          | 2.6    | 113         | 133                         | 239                         | 130                      | 94                      | 54              | 21/39           |     | 7/48           | P1   |
| 398          | 2.9    | 119         | 133                         | 246                         | 130                      | 104                     | 58              | 20/37           | f   | 7/48           | P1   |
| 399          | 2.6    | 116         | 132                         | 243                         | 131                      | 98                      | 56              | 17/39           |     | 8/48           | P1   |
| 404          |        | 113         | 132                         | 243                         | 123                      | 88                      | 53              | 16/34           | f   | 6/48           | P1   |
| 406          | 3.1    | 115         | 131                         | 244                         | 132                      | 106                     | 56              | 18/36           |     | 7/48           | P1   |
| 407          | 3.1    | 121         | 134                         | 242                         | 135                      | 107                     | 57              | 16/35           |     | 7/48           | P1   |
| 408          | 2.7    | 115         | 132                         | 247                         | 134                      | 99                      | 50              | 16/34           | f   | 3/48           | P1   |
| 408          | 2.7    | 122         | 134                         | 247                         | 130                      | 98                      | 56              | 18/39           |     | 6/48           | P1   |
| 408          | 2.8    | 120         | 138                         | 250                         | 134                      | 101                     | 58              | 18/36           | f   | 7/48           | P1   |
| 408          | 3.1    | 118         | 138                         | 258                         | 132                      | 108                     | 54              | 18/38           | f   | 7/48           | P1   |
| 413          | 2.9    | 120         | 140                         | 257                         | 134                      | 110                     | 56              | 18/37           | f   | 7/48           | P1   |
| 413          | 3.7    | 119         | 134                         | 251                         | 131                      | 116                     | 58              | 17/36           | m   | 7/48           | P1   |
| 418          | 3.1    | 118         | 142                         | 254                         | 136                      | 104                     | 56              | 19/39           | m   | 7/48           | P1   |
| 418          | 3.3    | 123         | 144                         | 261                         | 138                      | 105                     | 62              | 18/35           |     | 5/48           | P1   |
| 418          | 3.3    | 123         | 142                         | 259                         | 134                      | 113                     | 58              | 17/36           |     | 8/48           | P1   |
| 419          | 2.9    | 122         | 141                         | 260                         | 135                      | 118                     | 56              | 16/34           | f   | 7/48           | P1   |
| 419          | 3.2    | 120         | 143                         | 252                         | 135                      | 106                     | 55              | 16/34           | f   | 6/48           | P1   |
| 421          | 2.8    | 121         | 144                         | 257                         | 137                      | 105                     | 56              | 18/39           | f   | 8/48           | P1   |
| 423          | 3.2    | 122         | 147                         | 260                         | 133                      | 105                     | 59              | 18/36           | m   | 7/48           | P1   |
| 425          | 2.2    | 119         | 144                         | 257                         | 131                      | 106                     | 55              | 20/35           | f   | 6/48           | P1   |
| 426          | 3.3    | 122         | 143                         | 264                         | 140                      | 115                     | 61              | 17/39           | m   | 7/48           | P1   |
| 426          | 3.4    | 121         | 141                         | 265                         | 136                      | 107                     | 59              | 17/40           | m   | 8/48           | P1   |
| 427          | 3.6    | 122         | 144                         | 262                         | 141                      | 108                     | 60              | 18/37           |     | 5/48           | P1   |
| 430          | 3.3    | 123         | 144                         | 267                         | 139                      | 108                     | 60              | 18/37           | f   | 8/48           | P1   |

Table 71 Skipjack from the Northwestern Pacific:  
Omaezaki, Shizuoka Prefecture, Japan (continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Ventral | Greatest Body<br>Depth | Length Pectoral | No. Gill Rakers | Sex | Month and Year | Gear |
|--------------|--------|-------------|-----------------------------|-----------------------------|--------------------------|------------------------|-----------------|-----------------|-----|----------------|------|
| 431          | 3.6    | 122         | 140                         | 260                         | 136                      | 115                    | 59              | 18/34           | f   | 6/48           | P1   |
| 432          | 3.8    | 125         | 148                         | 266                         | 140                      | 114                    | 60              | 20/36           | f   | 8/48           | P1   |
| 433          | 3.7    | 127         | 145                         | 266                         | 146                      | 116                    | 61              | 18/39           | m   | 8/48           | P1   |
| 437          | 3.7    | 128         | 147                         | 217                         | 144                      | 114                    | 52              | 20/38           | m   | 8/48           | P1   |
| 438          | 3.8    | 123         | 145                         | 270                         | 137                      | 113                    | 61              | 18/36           | m   | 6/48           | P1   |
| 439          | 3.7    | 128         | 145                         | 274                         | 148                      | 116                    | 62              | 17/36           | m   | 8/48           | P1   |
| 439          | 3.8    | 127         | 148                         | 273                         | 143                      | 113                    | 61              | 17/40           | m   | 7/48           | P1   |
| 439          | 3.8    | 129         | 151                         | 269                         | 145                      | 124                    | 64              | 17/36           | f   | 8/48           | P1   |
| 440          | 3.3    | 133         | 153                         | 268                         | 150                      | 105                    | 66              | 17/37           | f   | 7/48           | P1   |
| 442          | 4.0    | 128         | 150                         | 272                         | 146                      | 115                    | 62              | 19/35           |     | 9/48           | P1   |
| 443          | 3.6    | 128         | 152                         | 272                         | 143                      | 111                    | 59              | 18/36           | m   | 7/48           | P1   |
| 444          | 3.9    | 130         | 150                         |                             | 145                      | 118                    | 61              | 19/36           | m   | 9/48           | P1   |
| 445          | 3.8    | 130         | 151                         | 272                         | 145                      | 114                    | 60              | 20/39           |     | 8/48           | P1   |
| 445          | 3.9    | 131         | 153                         | 277                         | 144                      | 115                    | 65              | 19/36           | m   | 7/48           | P1   |
| 447          | 3.9    | 137         | 148                         | 275                         | 141                      | 118                    | 61              | 18/37           | f   | 8/48           | P1   |
| 448          | 4.0    | 131         | 152                         | 277                         | 148                      | 115                    | 63              | 18/36           |     | 5/48           | P1   |
| 449          | 3.9    | 133         | 153                         | 279                         | 147                      | 110                    | 64              | 16/40           | m   | 7/48           | P1   |
| 449          | 4.1    | 124         | 151                         | 279                         | 143                      | 114                    | 66              | 19/35           | m   | 6/48           | P1   |
| 450          | 3.8    | 120         | 152                         | 272                         | 145                      | 114                    | 65              | 17/37           | f   | 6/48           | P1   |
| 450          | 3.8    | 130         | 152                         | 272                         | 146                      | 110                    | 59              | 19/35           |     | 5/48           | P1   |
| 452          | 4.2    | 140         | 160                         | 284                         | 146                      | 112                    | 65              | 22/35           | f   | 6/48           | P1   |
| 454          | 2.1    | 134         | 152                         | 276                         | 147                      | 111                    | 66              | 17/35           | f   | 7/48           | P1   |
| 454          | 3.6    | 130         | 148                         | 274                         | 146                      | 109                    | 66              | 18/35           | m   | 7/48           | P1   |
| 454          | 4.1    | 134         | 152                         | 274                         | 150                      | 116                    | 67              | 19/36           | f   | 7/48           | P1   |
| 455          | 3.9    | 131         | 151                         | 271                         | 151                      | 120                    | 65              | 18/35           | m   | 8/48           | P1   |
| 458          | 4.0    | 133         | 155                         | 280                         | 150                      | 112                    | 66              | 19/38           |     | 5/48           | P1   |
| 459          | 4.0    | 131         | 153                         |                             | 149                      | 112                    | 66              | 19/36           |     | 5/48           | P1   |
| 460          | 4.3    | 139         | 158                         | 286                         | 147                      | 123                    | 74              | 18/35           | m   | 6/48           | P1   |
| 461          | 4.2    | 140         | 151                         | 280                         | 150                      | 112                    | 61              | 21/37           |     | 6/48           | P1   |
| 462          | 4.1    | 133         | 157                         | 285                         | 149                      | 114                    | 66              | 20/37           | f   | 6/48           | P1   |

Table 71. Skipjack from the Northwestern Pacific:  
Omaezaki, Shizuoka Prefecture, Japan (continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Ventral | Greatest Body<br>Depth | Length Pectoral | No. Gill Rakers | Sex | Month and Year | Gear |
|--------------|--------|-------------|-----------------------------|-----------------------------|--------------------------|------------------------|-----------------|-----------------|-----|----------------|------|
| 464          | 4.3    | 136         | 155                         | 283                         | 152                      | 116                    | 68              | 18/36           | m   | 7/48           | P1   |
| 465          | 4.7    | 136         | 157                         |                             |                          | 116                    | 63              | 20/36           | m   | 5/48           | P1   |
| 466          | 4.2    | 141         | 161                         | 286                         | 152                      | 113                    | 63              | 17/45           | f   | 8/48           | P1   |
| 468          | 4.1    | 139         | 158                         | 289                         | 155                      | 115                    | 71              | 18/35           | m   | 7/48           | P1   |
| 468          | 4.6    | 137         | 157                         | 284                         | 155                      | 117                    | 69              | 19/38           | m   | 7/48           | P1   |
| 469          | 4.9    | 136         | 155                         | 284                         | 155                      | 125                    | 63              | 18/37           | m   | 8/48           | P1   |
| 470          | 4.0    | 140         | 162                         | 286                         | 158                      | 118                    | 67              | 20/35           | f   | 7/48           | P1   |
| 471          | 4.6    | 135         | 161                         | 291                         | 154                      | 119                    | 66              | 19/39           |     | 5/48           | P1   |
| 472          | 4.8    | 138         | 170                         | 301                         | 155                      | 124                    | 65              | 17/40           | f   | 6/48           | P1   |
| 472          | 4.8    | 138         | 155                         | 286                         | 154                      | 126                    | 70              | 19/37           | f   | 7/48           | P1   |
| 473          | 4.7    | 135         | 143                         | 283                         |                          | 130                    | 75              | 19/38           | m   | 8/48           | P1   |
| 473          | 4.7    | 138         | 158                         |                             | 157                      | 120                    | 67              | 17/35           |     | 5/48           | P1   |
| 474          | 4.9    | 138         | 164                         | 296                         | 155                      | 125                    | 67              | 16/36           | m   | 8/48           | P1   |
| 475          | 4.6    | 141         | 159                         | 288                         | 156                      | 125                    | 72              | 19/36           | f   | 7/48           | P1   |
| 475          | 4.7    | 139         | 160                         | 289                         | 156                      | 121                    | 68              | 20/36           | m   | 7/48           | P1   |
| 476          | 4.0    | 141         | 161                         | 292                         | 157                      | 116                    | 70              | 16/35           | m   | 8/48           | P1   |
| 477          | 4.8    | 142         | 154                         | 294                         | 159                      | 120                    | 71              | 19/37           | m   | 7/48           | P1   |
| 477          | 4.8    | 142         | 163                         | 296                         | 158                      | 122                    | 71              | 19/34           | m   | 7/48           | P1   |
| 478          | 4.4    | 143         | 158                         | 294                         | 160                      | 118                    | 73              | 18/35           | f   | 7/48           | P1   |
| 479          | 4.4    | 149         | 164                         | 297                         | 158                      | 117                    | 78              | 21/36           | m   | 6/48           | P1   |
| 480          | 5.4    | 140         | 167                         | 301                         | 157                      | 130                    | 67              | 18/39           | f   | 8/48           | P1   |
| 481          | 4.7    |             | 164                         | 292                         | 151                      | 126                    | 66              | 19/38           | m   | 6/48           | P1   |
| 483          | 4.9    | 141         | 163                         | 297                         | 156                      | 120                    | 72              | 18/37           | m   | 6/48           | P1   |
| 483          | 4.9    | 145         | 165                         | 298                         | 162                      | 123                    | 71              | 19/38           | f   | 9/48           | P1   |
| 483          | 5.4    | 142         | 165                         | 304                         | 160                      | 128                    | 72              | 18/38           | m   | 7/48           | P1   |
| 484          | 5.0    | 142         | 164                         | 302                         | 162                      | 124                    | 73              | 17/38           | m   | 8/48           | P1   |
| 484          | 5.4    | 144         | 173                         | 302                         | 158                      | 135                    | 71              | 19/37           | m   | 9/48           | P1   |
| 485          | 5.0    | 144         | 174                         | 307                         | 160                      | 119                    | 76              | 15/35           | f   | 6/48           | P1   |
| 487          | 4.6    | 146         | 171                         | 301                         | 162                      | 126                    | 72              | 17/37           | m   | 7/48           | P1   |
| 487          | 5.1    | 145         | 165                         | 299                         | 164                      | 122                    | 73              | 18/37           | m   | 7/48           | P1   |

Table 71. Skipjack from the Northwestern Pacific:  
Omaezaki, Shizuoka Prefecture, Japan (continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Ventral | Greatest Body<br>Depth | Length Pectoral | No. Gill Rakers | Sex | Month and Year | Gear |
|--------------|--------|-------------|-----------------------------|-----------------------------|--------------------------|------------------------|-----------------|-----------------|-----|----------------|------|
| 487          | 5.2    | 143         | 168                         | 303                         | 159                      | 122                    | 70              | 19/35           | f   | 7/48           | P1   |
| 488          | 4.6    | 152         | 164                         | 298                         | 162                      | 117                    | 73              | 19/34           |     | 6/48           | P1   |
| 488          | 4.9    | 142         | 169                         | 299                         | 160                      | 122                    | 71              | 19/37           |     | 9/48           | P1   |
| 488          | 5.3    | 154         | 164                         | 296                         | 164                      | 137                    |                 | 21/34           | m   | 6/48           | P1   |
| 489          | 5.3    | 146         | 170                         | 306                         | 161                      | 126                    | 72              | 18/37           | m   | 7/48           | P1   |
| 489          | 5.4    | 141         | 165                         | 304                         | 157                      | 127                    | 68              | 16/37           | f   | 6/48           | P1   |
| 489          | 5.4    | 148         | 169                         | 306                         | 154                      | 124                    | 74              | 19/37           | m   | 7/48           | P1   |
| 490          | 5.4    | 143         | 166                         | 308                         | 161                      | 125                    | 71              | 19/40           | f   | 8/48           | P1   |
| 491          | 5.1    | 149         | 170                         | 309                         | 166                      | 127                    | 74              | 18/35           | f   | 7/48           | P1   |
| 492          | 4.5    | 151         | 169                         | 300                         | 160                      | 127                    | 72              | 20/32           | f   | 6/48           | P1   |
| 492          | 5.8    | 144         | 170                         | 309                         | 162                      | 132                    | 68              | 18/39           | f   | 8/48           | P1   |
| 493          | 4.9    | 142         | 166                         | 300                         | 159                      | 126                    | 73              | 19/38           | m   | 7/48           | P1   |
| 494          | 5.1    | 148         | 166                         | 304                         | 164                      | 119                    | 74              | 19/37           | m   | 7/48           | P1   |
| 494          | 5.8    | 149         | 170                         | 305                         | 166                      | 138                    | 74              | 17/38           | m   | 7/48           | P1   |
| 495          | 5.1    | 146         | 171                         | 311                         | 166                      | 123                    | 74              | 17/39           | m   | 7/48           | P1   |
| 497          | 5.3    | 143         | 170                         | 309                         | 160                      | 131                    | 65              | 18/39           | f   | 7/48           | P1   |
| 497          | 5.4    | 150         | 171                         | 305                         | 165                      | 130                    | 72              | 19/38           | m   | 7/48           | P1   |
| 498          | 5.0    | 150         | 158                         | 305                         |                          | 122                    | 74              | 20/38           | m   | 7/48           | P1   |
| 498          | 5.8    | 148         | 175                         | 307                         | 166                      | 134                    | 75              | 18/37           | m   | 8/48           | P1   |
| 498          | 5.8    | 147         | 160                         | 300                         | 160                      | 131                    | 71              | 20/36           | f   | 8/48           | P1   |
| 499          | 5.4    | 149         | 171                         | 309                         | 163                      | 128                    | 71              | 17/40           | f   | 8/48           | P1   |
| 499          | 5.6    | 143         | 168                         | 308                         | 163                      | 122                    | 70              | 19/39           |     | 5/48           | P1   |
| 500          | 5.7    | 146         | 165                         |                             | 160                      | 128                    | 68              | 20/42           |     | 5/48           | P1   |
| 501          | 5.4    | 149         | 175                         | 310                         | 166                      | 118                    | 74              | 20/38           | m   | 6/48           | P1   |
| 501          | 5.8    | 148         | 173                         | 310                         | 162                      | 135                    | 74              | 20/36           | m   | 7/48           | P1   |
| 501          | 6.1    | 146         | 172                         |                             | 164                      | 137                    | 72              | 21/38           | f   | 9/48           | P1   |
| 505          | 6.1    | 150         | 167                         | 309                         | 169                      | 128                    | 74              | 19/37           | m   | 8/48           | P1   |
| 506          | 5.8    | 147         | 170                         | 311                         | 166                      | 131                    | 75              | 19/38           | f   | 7/48           | P1   |
| 506          | 5.8    | 149         | 171                         | 312                         | 167                      | 130                    | 73              | 21/35           | m   | 7/48           | P1   |
| 506          | 5.8    | 147         | 173                         | 331                         | 166                      | 132                    | 72              | 19/36           | m   | 8/48           | P1   |

Table 71. Skipjack from the Northwestern Pacific:  
Omaezaki, Shizuoka Prefecture, Japan (continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Ventral | Greatest Body<br>Depth | Length Pectoral | No. Gill Rakers | Sex | Month and Year | Gear |
|--------------|--------|-------------|-----------------------------|-----------------------------|--------------------------|------------------------|-----------------|-----------------|-----|----------------|------|
| 506          | 5.9    | 148         | 170                         | 313                         | 167                      | 134                    | 77              | 18/38           | m   | 8/48           | P1   |
| 507          | 6.2    | 150         | 177                         | 316                         | 166                      | 140                    | 74              | 19/35           | m   | 9/48           | P1   |
| 508          | 4.7    | 150         | 175                         | 308                         | 168                      | 129                    | 76              | 18/39           | m   | 8/48           | P1   |
| 508          | 5.3    | 146         | 170                         | 311                         | 161                      | 126                    | 72              | 19/38           | m   | 7/48           | P1   |
| 508          | 5.6    | 150         | 172                         | 309                         | 167                      | 128                    | 78              | 19/35           |     | 9/48           | P1   |
| 509          | 5.4    | 149         | 168                         | 313                         | 171                      | 131                    | 76              | 18/36           | f   | 8/48           | P1   |
| 509          | 5.8    | 150         | 170                         | 317                         | 171                      | 134                    | 76              | 19/42           | m   | 7/48           | P1   |
| 509          | 6.7    | 151         | 168                         | 315                         | 167                      | 143                    | 78              | 19/36           | m   | 8/48           | P1   |
| 511          | 5.6    | 146         | 169                         | 311                         | 165                      | 125                    | 74              | 20/39           | m   | 7/48           | P1   |
| 511          | 5.8    | 152         | 171                         | 314                         | 173                      | 131                    | 74              | 17/35           | f   | 8/48           | P1   |
| 513          | 6.0    | 154         | 178                         | 327                         | 171                      |                        | 78              | 20/38           | m   | 8/48           | P1   |
| 514          | 5.9    | 150         | 176                         | 319                         | 167                      | 134                    | 82              | 19/35           |     | 8/48           | P1   |
| 514          | 6.2    | 154         | 175                         | 313                         | 169                      | 135                    | 78              | 19/37           | f   | 9/48           | P1   |
| 515          | 6.0    | 154         | 177                         | 313                         | 172                      | 131                    | 81              | 17/36           | f   | 8/48           | P1   |
| 515          | 6.4    | 156         | 181                         | 321                         | 174                      | 135                    | 81              | 17/34           | m   | 8/48           | P1   |
| 517          | 6.2    | 153         | 184                         | 321                         | 173                      | 135                    | 74              |                 | f   | 8/48           | P1   |
| 518          | 6.1    | 152         | 173                         | 312                         | 171                      | 133                    | 78              | 17/35           | m   | 8/48           | P1   |
| 518          | 6.2    | 155         | 175                         | 319                         | 174                      | 134                    | 77              | 18/34           | m   | 7/48           | P1   |
| 521          | 6.4    | 157         | 184                         | 321                         | 174                      | 133                    | 79              | 18/34           | f   | 8/48           | P1   |
| 522          | 6.4    | 150         | 174                         | 321                         | 166                      | 131                    | 74              | 19/39           | f   | 6/48           | P1   |
| 522          | 6.7    | 160         | 185                         | 330                         | 177                      | 134                    | 78              | 17/36           | f   | 8/48           | P1   |
| 523          | 6.2    | 153         | 179                         | 324                         | 171                      | 129                    | 84              | 18/36           | m   | 6/48           | P1   |
| 523          | 6.4    | 154         | 175                         | 321                         | 170                      | 140                    | 75              | 20/39           |     | 8/48           | P1   |
| 523          | 6.4    | 156         | 176                         | 320                         | 175                      | 131                    | 78              | 20/35           | f   | 8/48           | P1   |
| 525          | 6.9    | 164         | 180                         | 321                         | 170                      | 137                    | 80              | 20/39           | f   | 6/48           | P1   |
| 526          | 6.6    | 159         | 189                         | 330                         | 175                      | 133                    | 74              |                 | f   | 8/48           | P1   |
| 528          | 6.7    | 160         | 177                         | 325                         | 177                      | 138                    | 77              | 18/38           | m   | 7/48           | P1   |
| 531          | 7.1    | 163         | 179                         | 328                         | 176                      | 138                    | 84              | 18/37           | m   | 8/48           | P1   |
| 532          | 6.7    | 158         | 178                         | 326                         | 174                      | 131                    | 81              | 18/38           | m   | 9/48           | P1   |
| 532          | 7.1    | 160         | 183                         | 332                         | 176                      | 140                    | 78              | 18/36           | f   | 6/48           | P1   |

Table 71. Skipjack from the Northwestern Pacific:  
Omaezaki, Shizuoka Prefecture, Japan (continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Ventral | Greatest Body<br>Depth | Length Pectoral | No. Gill Rakers | Sex | Month and Year | Gear |
|--------------|--------|-------------|-----------------------------|-----------------------------|--------------------------|------------------------|-----------------|-----------------|-----|----------------|------|
| 532          | 7.4    | 163         | 185                         | 337                         | 180                      | 149                    | 78              | 20/41           | m   | 8/48           | P1   |
| 533          | 6.8    | 159         | 182                         | 325                         | 177                      | 142                    | 84              | 17/35           | m   | 9/48           | P1   |
| 533          | 7.1    | 157         | 184                         | 331                         | 179                      | 139                    | 79              | 18/37           | f   | 9/48           | P1   |
| 535          | 6.7    | 157         | 180                         | 328                         | 177                      | 140                    | 80              | 18/37           | m   | 8/48           | P1   |
| 536          | 6.9    | 160         | 182                         | 333                         | 175                      | 142                    | 79              | 20/38           | f   | 9/48           | P1   |
| 536          | 8.0    | 156         | 182                         | 360                         | 179                      | 154                    | 82              | 21/41           | m   | 6/48           | P1   |
| 537          | 6.7    | 162         | 181                         | 326                         | 178                      | 140                    | 84              | 20/39           | f   | 8/48           | P1   |
| 537          | 7.3    | 160         | 190                         | 343                         | 176                      | 149                    | 83              | 20/38           |     | 9/48           | P1   |
| 538          | 6.9    | 156         | 179                         | 331                         | 175                      | 137                    | 78              | 17/41           | m   | 7/48           | P1   |
| 538          | 7.2    | 159         | 181                         | 332                         | 176                      | 142                    | 87              | 20/39           | f   | 9/48           | P1   |
| 538          | 7.2    | 159         | 188                         | 338                         | 176                      | 143                    | 82              | 19/40           |     | 9/48           | P1   |
| 539          | 6.4    | 156         | 177                         | 337                         | 176                      | 142                    | 78              | 18/37           |     | 8/48           | P1   |
| 541          | 7.1    | 159         | 179                         | 330                         | 175                      | 139                    | 79              | 18/37           | m   | 8/48           | P1   |
| 541          | 7.2    | 169         | 181                         | 337                         | 180                      | 137                    | 82              | 18/40           | m   | 9/48           | P1   |
| 541          | 7.3    | 159         | 179                         | 334                         | 174                      | 140                    | 84              | 18/35           | f   | 8/48           | P1   |
| 542          | 6.9    | 160         | 180                         | 330                         | 182                      | 138                    | 83              | 19/38           | f   | 6/48           | P1   |
| 542          | 7.0    | 163         | 186                         | 333                         | 182                      | 144                    | 88              | 18/38           | m   | 9/48           | P1   |
| 543          | 6.9    | 160         | 184                         | 335                         | 181                      | 138                    | 84              | 18/38           | f   | 9/48           | P1   |
| 545          | 7.5    | 160         | 183                         | 341                         | 369                      | 143                    | 85              | 19/35           | m   | 9/48           | P1   |
| 546          | 7.3    | 164         | 190                         | 334                         | 179                      | 145                    | 84              | 19/35           | f   | 8/48           | P1   |
| 549          |        | 161         | 189                         | 341                         | 178                      | 144                    | 84              | 19/38           | f   | 6/48           | P1   |
| 550          | 7.5    | 165         | 190                         | 342                         | 186                      | 147                    | 86              | 19/35           | m   | 9/48           | P1   |
| 551          | 8.2    | 165         | 190                         | 340                         | 185                      | 153                    | 84              | 19/39           | m   | 9/48           | P1   |
| 616          | 12.2   | 187         | 219                         | 389                         | 207                      | 166                    | 102             | 19/37           | f   | 9/48           | P1   |

Table 72. Skipjack from the Northwestern Pacific:  
Tanabe, Wakayama Prefecture, Japan\*

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Greatest Body<br>Depth | Length Pectoral | Height Anal | No. Gill Rakers | Sex | Month and Year | Gear |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|------------------------|-----------------|-------------|-----------------|-----|----------------|------|
| 375          | 2.3    | 106         | 129                         | 228                         |                       | 123                      | 96                     | 51              | 22          | 19/36           | m   | 5/48           | P1   |
| 390          | 2.3    | 87          | 131                         | 240                         |                       | 127                      | 94                     | 54              | 53          |                 | f   | 5/48           | P1   |
| 400          | 2.6    | 111         | 133                         | 242                         |                       | 129                      | 96                     | 48              | 24          | 17/37           | f   | 5/48           | P1   |
| 405          | 3.0    | 116         | 144                         | 250                         | 273                   | 134                      | 103                    | 53              | 30          | 19/38           | m   | 7/48           | P1   |
| 415          | 3.1    | 120         | 138                         | 250                         | 275                   | 136                      | 104                    | 56              |             | 19/37           | m   | 7/48           | P1   |
| 420          | 2.9    | 120         | 146                         | 256                         | 280                   | 139                      | 103                    | 55              | 28          | 18/37           | m   | 7/48           | P1   |
| 425          | 3.2    | 123         | 147                         | 263                         | 287                   | 139                      | 107                    | 54              |             | 17/37           | f   | 7/48           | P1   |
| 440          | 3.3    | 124         | 142                         | 265                         | 290                   | 141                      | 116                    | 57              | 27          | 18/39           | f   | 5/48           | P1   |
| 445          | 3.8    | 128         | 152                         | 259                         | 291                   | 146                      | 114                    | 55              | 30          | 18/34           | f   | 7/48           | P1   |
| 452          | 4.2    | 136         | 160                         | 278                         | 302                   | 150                      | 117                    | 62              | 33          | 17/38           | m   | 5/48           | P1   |
| 460          | 4.4    | 133         | 158                         | 285                         | 317                   | 150                      |                        | 62              | 33          | 16/36           | m   | 5/48           | P1   |
| 465          | 3.6    | 133         | 155                         | 283                         | 308                   | 148                      | 117                    | 64              | 35          | 17/36           | m   | 5/48           | P1   |
| 470          | 4.4    | 139         | 165                         | 293                         | 317                   | 156                      | 120                    | 55              |             | 18/36           | f   | 7/48           | P1   |
| 475          | 4.7    | 143         | 162                         | 291                         |                       | 159                      | 122                    | 68              | 36          | 16/38           | f   | 5/48           | P1   |
| 490          | 5.0    | 146         | 167                         | 310                         | 335                   | 165                      | 131                    | 69              |             | 18/37           | f   | 7/48           | P1   |
| 490          | 5.0    | 147         | 172                         | 305                         | 330                   | 164                      | 121                    | 69              |             | 19/36           | f   | 7/48           | P1   |
| 490          | 5.1    | 146         | 165                         | 305                         | 324                   | 156                      | 127                    | 70              |             | 19/38           | f   | 7/48           | P1   |
| 495          | 4.4    | 141         | 165                         | 305                         | 315                   | 160                      | 114                    | 65              | 39          | 17/38           | f   | 7/48           | P1   |
| 510          | 5.8    | 149         | 172                         | 325                         |                       | 168                      | 125                    | 70              | 42          | 20/39           | f   | 5/48           | P1   |
| 515          | 5.3    | 158         | 179                         | 320                         | 340                   | 166                      | 135                    | 72              |             | 19/39           | m   | 7/48           | P1   |
| 525          | 7.1    | 155         | 183                         | 340                         | 360                   | 168                      | 136                    | 78              | 42          | 17/39           | m   | 5/48           | P1   |
| 535          | 6.4    | 160         | 181                         | 344                         | 360                   | 176                      | 130                    | 74              | 47          | 18/37           | m   | 7/48           | P1   |

\*Contributed by the Japanese Fishery Agency

Table 73. Skipjack from the Northwestern Pacific.  
Northern Ryukyu Chains, Japan\*

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Greatest Body<br>Depth | Length Pectoral | No. of Gill Rakers | Sex | Month and Year | Gear |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|------------------------|-----------------|--------------------|-----|----------------|------|
| 391          | 2.1    | 109         | 126                         | 231                         | 251                   | 118                      | 93                     | 54              | 19/36              | f   | 8/48           | P1   |
| 405          | 2.3    | 113         | 132                         | 249                         | 266                   | 125                      | 99                     | 52              | 16/36              | m   | 7/48           | P1   |
| 410          | 2.5    | 113         | 135                         | 239                         | 269                   | 127                      | 101                    | 58              | 17/36              | f   | 8/48           | P1   |
| 412          | 2.5    | 118         | 133                         | 251                         | 281                   | 135                      | 98                     | 60              | 17/34              | f   | 7/48           | P1   |
| 412          | 2.7    | 118         | 140                         | 242                         | 267                   | 131                      | 110                    | 56              | 18/37              | f   | 8/48           | P1   |
| 414          | 2.6    | 117         | 139                         | 249                         | 278                   | 131                      | 97                     | 55              | 18/33              | m   | 7/48           | P1   |
| 415          | 2.7    | 116         | 136                         | 254                         | 273                   | 127                      | 103                    | 56              | 17/33              | f   | 7/48           | P1   |
| 420          | 2.8    | 117         | 135                         | 255                         | 279                   | 129                      | 101                    | 57              | 19/37              | m   | 7/48           | P1   |
| 423          | 2.7    | 118         | 135                         | 251                         | 282                   | 132                      | 103                    | 55              | 17/38              | f   | 7/48           | P1   |
| 424          | 3.2    | 117         | 138                         | 277                         | 286                   | 129                      | 100                    | 62              | 17/37              | f   | 8/48           | P1   |
| 425          | 2.8    | 118         | 137                         | 252                         | 273                   | 131                      | 102                    | 60              | 18/38              | m   | 8/48           | P1   |
| 428          | 2.8    | 139         | 139                         | 266                         | 280                   | 130                      | 100                    | 58              | 17/32              | m   | 7/48           | P1   |
| 428          | 3.3    | 116         | 136                         | 257                         | 288                   | 134                      | 101                    | 59              | 17/36              | f   | 8/48           | P1   |
| 431          | 3.6    | 122         | 146                         | 259                         | 285                   | 134                      | 107                    | 62              | 18/35              | m   | 8/48           | P1   |
| 434          | 2.9    | 125         | 142                         | 263                         | 288                   | 137                      | 103                    | 59              | 16/34              | m   | 7/48           | P1   |
| 434          | 3.1    | 123         | 143                         | 263                         | 290                   | 139                      | 106                    | 61              | 19/36              | m   | 8/48           | P1   |
| 438          | 3.5    | 121         | 142                         | 256                         | 287                   | 135                      | 102                    | 66              | 20/33              | f   | 8/48           | P1   |
| 439          | 2.7    | 112         | 134                         | 244                         | 269                   | 123                      | 98                     | 56              | 19/37              | f   | 8/48           | P1   |
| 441          | 3.4    | 123         | 138                         | 263                         | 278                   | 135                      | 107                    | 58              | 17/38              | f   | 8/48           | P1   |
| 442          | 3.5    | 135         | 149                         | 271                         | 294                   | 138                      | 105                    | 61              | 19/34              | f   | 8/48           | P1   |
| 443          | 3.5    | 125         | 145                         | 272                         | 302                   | 144                      | 110                    | 64              | 18/34              | f   | 7/48           | P1   |
| 443          | 3.4    | 124         | 141                         | 257                         | 293                   | 141                      | 101                    | 65              | 17/37              |     | 8/48           | P1   |
| 443          | 3.6    | 127         | 149                         | 279                         | 296                   | 141                      | 109                    | 64              | 20/35              | f   | 8/48           | P1   |
| 443          | 3.8    | 124         | 145                         | 262                         | 293                   | 136                      | 109                    | 65              | 19/36              | f   | 8/48           | P1   |
| 445          | 3.6    | 128         | 141                         | 267                         | 279                   | 139                      | 117                    | 65              | 17/37              | f   | 8/48           | P1   |
| 449          | 3.6    | 126         | 146                         | 265                         | 289                   | 139                      | 106                    | 63              | 18/36              | f   | 8/48           | P1   |
| 455          | 3.9    | 129         | 150                         | 272                         | 284                   | 143                      | 129                    | 67              | 17/34              | f   | 8/48           | P1   |
| 459          | 3.8    | 130         | 150                         | 276                         | 305                   | 142                      | 112                    | 63              | 19/36              | m   | 8/48           | P1   |
| 459          | 4.0    | 138         | 154                         | 281                         | 303                   | 142                      | 113                    | 64              | 20/37              | f   | 8/48           | P1   |
| 464          | 3.8    | 131         | 150                         | 261                         | 310                   | 145                      | 117                    | 64              | 19/36              | f   | 7/48           | P1   |

\*Contributed by the Japanese Fishery Agency



Table 73. Skipjack from the Northwestern Pacific:  
Northern Ryukyu Chains, Japan (continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Greatest Body<br>Depth | Length Pectoral | No. of Gill Rakers | Sex | Month and Year | Gear |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|------------------------|-----------------|--------------------|-----|----------------|------|
| 466          | 2.9    | 133         | 154                         | 285                         | 312                   | 148                      | 113                    | 68              | 17/36              | f   | 7/48           | P1   |
| 469          | 2.9    | 136         | 143                         | 298                         | 322                   | 149                      | 115                    | 67              | 18/37              | f   | 7/48           | P1   |
| 473          | 3.6    | 132         | 150                         | 280                         | 312                   | 145                      | 111                    | 64              | 18/37              | f   | 6/48           | P1   |
| 478          | 4.3    | 136         | 167                         | 280                         | 324                   | 158                      | 133                    | 71              | 18/37              | f   | 8/48           | P1   |
| 480          | 4.6    | 135         | 163                         | 303                         | 312                   | 154                      | 118                    | 71              | 17/38              | f   | 5/48           | P1   |
| 483          | 4.1    | 136         | 155                         | 295                         | 313                   | 150                      | 115                    | 68              | 18/36              | f   | 7/48           | P1   |
| 492          | 4.8    | 141         | 160                         | 301                         | 336                   | 156                      | 126                    | 69              | 16/36              | f   | 6/48           | P1   |
| 493          | 4.1    | 138         | 156                         | 296                         | 331                   | 148                      | 118                    | 69              | 18/35              | m   | 6/48           | P1   |
| 496          | 4.6    | 144         | 166                         | 300                         | 339                   | 158                      | 119                    | 74              | 19/37              | m   | 7/48           | P1   |
| 505          | 5.1    | 145         | 162                         | 305                         | 333                   | 158                      | 125                    | 71              | 17/38              | m   | 7/48           | P1   |
| 516          | 5.2    | 146         | 172                         | 320                         | 338                   | 158                      | 125                    | 76              | 19/37              | f   | 5/48           | P1   |
| 542          | 6.4    | 154         | 182                         | 336                         | 368                   | 175                      | 132                    | 78              | 18/35              | f   | 5/48           | P1   |
| 608          | 7.9    | 170         | 200                         | 365                         | 407                   | 189                      | 138                    | 89              | 20/36              | m   | 5/48           | P1   |
| 625          | 10.3   | 178         | 211                         | 392                         | 417                   | 193                      | 162                    | 90              | 19/37              | m   | 5/48           | P1   |
| 640          | 10.8   | 179         | 218                         | 392                         | 426                   | 190                      | 157                    | 98              | 19/35              | f   | 6/48           | P1   |
| 646          | 10.5   | 182         | 215                         | 394                         | 427                   | 199                      | 160                    | 91              | 19/40              | f   | 6/48           | P1   |
| 650          | 11.1   | 180         | 208                         | 395                         | 431                   | 194                      | 157                    | 91              | 18/34              | m   | 6/48           | P1   |
| 660          | 11.6   | 186         | 217                         | 394                         | 438                   | 205                      | 169                    | 99              | 18/36              | f   | 6/48           | P1   |
| 664          | 11.2   | 187         | 222                         | 410                         | 444                   | 210                      | 162                    | 95              | 18/39              | f   | 6/48           | P1   |
| 665          | 12.8   | 187         | 225                         | 417                         | 447                   |                          | 168                    | 94              | 20/34              | m   | 6/48           | P1   |
| 676          | 13.0   | 184         | 222                         | 416                         | 459                   | 212                      | 168                    | 105             | 22/37              | m   | 6/48           | P1   |
| 681          | 13.3   | 192         | 225                         | 415                         | 461                   | 218                      | 170                    | 107             | 18/37              | f   | 6/48           | P1   |
| 692          | 12.9   | 191         | 225                         | 417                         | 451                   | 212                      | 169                    | 105             | 19/38              | m   | 6/48           | P1   |

Table 74. Skipjack from the Northwestern Pacific  
Southwestern Panay Islands, Philippines

| Total Length | Head Length | Snout to Ins. 1st Dorsal | Snout to Ins. 2nd Dorsal | Snout to Ins. Anal | Snout to Ins. Ventral | Total Length | Head Length | Snout to Ins. 1st Dorsal | Snout to Ins. 2nd Dorsal | Snout to Ins. Anal | Snout to Ins. Ventral |
|--------------|-------------|--------------------------|--------------------------|--------------------|-----------------------|--------------|-------------|--------------------------|--------------------------|--------------------|-----------------------|
| 460          | 140         | 167                      | 295                      | 310                | 157                   | 536          | 156         | 178                      | 310                      | 340                | 177                   |
| 471          | 148         | 179                      | 308                      | 326                | 163                   | 540          | 168         | 190                      | 340                      | 377                | 185                   |
| 473          | 155         | 178                      | 315                      | 338                | 169                   | 541          | 171         | 194                      | 351                      | 392                | 182                   |
| 479          | 148         | 174                      | 305                      | 335                | 172                   | 543          | 163         | 200                      | 350                      | 386                | 187                   |
| 480          | 151         | 177                      | 312                      | 337                | 169                   | 544          | 165         | 200                      | 348                      | 391                | 188                   |
| 481          | 148         | 172                      | 300                      | 340                | 162                   | 550          | 173         | 192                      | 342                      | 378                | 188                   |
| 487          | 148         | 166                      | 316                      | 343                | 170                   | 552          | 165         | 184                      | 342                      | 374                | 181                   |
| 487          | 158         | 178                      | 305                      | 346                | 173                   | 553          | 168         | 196                      | 350                      | 386                | 201                   |
| 487          | 159         | 174                      | 318                      | 342                | 174                   | 554          | 162         | 188                      | 320                      | 344                | 178                   |
| 494          | 147         | 177                      | 314                      | 344                | 172                   | 554          | 175         | 202                      | 364                      | 390                | 187                   |
| 497          | 157         | 177                      | 318                      | 350                | 180                   | 555          | 168         | 191                      | 348                      | 384                | 180                   |
| 500          | 150         | 180                      | 312                      | 343                | 167                   | 557          | 178         | 207                      | 363                      | 388                | 194                   |
| 500          | 152         | 174                      | 315                      | 348                | 166                   | 558          | 171         | 200                      | 354                      | 388                | 193                   |
| 500          | 158         | 182                      | 323                      | 346                | 172                   | 559          | 168         | 199                      | 350                      | 391                | 186                   |
| 501          | 157         | 190                      | 334                      | 354                | 176                   | 560          | 177         | 201                      | 364                      | 394                | 193                   |
| 502          | 152         | 176                      | 323                      | 348                | 168                   | 563          | 172         | 204                      | 365                      | 404                | 194                   |
| 503          | 158         | 190                      | 320                      | 346                | 172                   | 563          | 177         | 215                      | 369                      | 386                | 201                   |
| 504          | 152         | 176                      | 305                      | 357                | 166                   | 564          | 178         | 214                      | 376                      | 392                | 200                   |
| 509          | 157         | 194                      | 335                      | 351                | 170                   | 564          | 180         | 207                      | 364                      | 409                | 207                   |
| 514          | 160         | 192                      | 340                      | 360                | 178                   | 567          | 174         | 204                      | 362                      | 400                | 192                   |
| 516          | 163         | 178                      | 326                      | 365                | 176                   | 568          | 176         | 211                      | 371                      | 406                | 201                   |
| 516          | 169         | 197                      | 336                      | 365                | 186                   | 570          | 171         | 199                      | 366                      | 389                | 190                   |
| 518          | 153         | 186                      | 311                      | 328                | 172                   | 572          | 184         | 205                      | 373                      | 401                | 201                   |
| 519          | 158         | 180                      | 330                      | 363                | 176                   | 573          | 174         | 201                      | 359                      | 391                | 189                   |
| 522          | 187         | 190                      | 337                      | 365                | 185                   | 579          | 180         | 215                      | 380                      | 405                | 195                   |
| 523          | 166         | 192                      | 337                      | 362                | 181                   | 584          | 184         | 213                      | 374                      | 413                | 208                   |
| 524          | 164         | 182                      | 337                      | 366                | 177                   | 584          | 187         | 213                      | 378                      | 415                | 200                   |
| 524          | 170         | 193                      | 341                      | 365                | 191                   | 586          | 185         | 220                      | 377                      | 410                | 207                   |
| 526          | 162         | 188                      | 343                      | 368                | 180                   | 586          | 186         | 213                      | 377                      | 416                | 202                   |
| 527          | 161         | 189                      | 340                      | 370                | 176                   | 586          | 186         | 215                      | 377                      | 412                | 207                   |
| 528          | 170         | 195                      | 337                      | 357                | 187                   | 587          | 183         | 206                      | 377                      | 407                | 197                   |
| 530          | 164         | 188                      | 344                      | 366                | 185                   | 587          | 184         | 205                      | 374                      | 408                | 198                   |
| 532          | 154         | 174                      | 299                      | 336                | 176                   | 588          | 183         | 213                      | 380                      | 407                | 204                   |
| 533          | 167         | 193                      | 346                      | 355                | 182                   | 592          | 188         | 218                      | 384                      | 412                | 204                   |
| 534          | 163         | 183                      | 346                      | 380                | 190                   |              |             |                          |                          |                    |                       |

\* From the Philippine Bureau of Fisheries

Table 74. Skipjack from the Northwestern Pacific  
Southwestern Panay Island, Philippines (continued)

| Total Length | Head Length | Snout to Ins. 1st Dorsal | Snout to Ins. 2nd Dorsal | Snout to Ins. Anal | Snout to Ins. Ventral | Total Length | Head Length | Snout to Ins. 1st Dorsal | Snout to Ins. 2nd Dorsal | Snout to Ins. Anal | Snout to Ins. Ventral |
|--------------|-------------|--------------------------|--------------------------|--------------------|-----------------------|--------------|-------------|--------------------------|--------------------------|--------------------|-----------------------|
| 602          | 189         | 220                      | 378                      | 420                | 212                   | 621          | 193         | 216                      | 400                      | 435                | 220                   |
| 603          | 184         | 209                      | 390                      | 421                | 204                   | 625          | 192         | 226                      | 405                      | 434                | 210                   |
| 617          | 194         | 218                      | 396                      | 432                | 220                   | 649          | 204         | 221                      | 415                      | 445                | 227                   |
| 619          | 201         | 231                      | 406                      | 441                | 212                   | 650          | 205         | 235                      | 424                      | 450                | 22                    |
| 620          | 199         | 216                      | 400                      | 440                | 216                   |              |             |                          |                          |                    |                       |

Table 75. Skipjack from the Northwestern Pacific  
Batangas Province, Luzon, Philippines\*

|     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 451 | 138 | 155 | 284 | 318 | 159 | 497 | 163 | 177 | 321 | 358 | 195 |
| 454 | 143 | 161 | 291 | 320 | 158 | 498 | 157 | 171 | 319 | 352 | 195 |
| 455 | 143 | 157 | 290 | 322 | 160 | 501 | 161 | 173 | 319 | 352 | 183 |
| 456 | 146 | 157 | 286 | 318 | 162 | 505 | 161 | 176 | 317 | 348 | 182 |
| 458 | 140 | 161 | 294 | 320 | 156 | 506 | 164 | 182 | 330 | 355 | 188 |
| 459 | 143 | 158 | 290 | 318 | 161 | 513 | 157 | 183 | 324 | 348 | 180 |
| 461 | 146 | 163 | 296 | 320 | 157 | 515 | 166 | 185 | 332 | 359 | 180 |
| 466 | 143 | 161 | 293 | 324 | 162 | 519 | 161 | 184 | 329 | 354 | 180 |
| 468 | 149 | 174 | 307 | 324 | 161 | 520 | 156 | 173 | 321 | 350 | 180 |
| 470 | 143 | 168 | 301 | 326 | 160 | 520 | 164 | 184 | 330 | 370 | 180 |
| 472 | 145 | 164 | 300 | 326 | 164 | 520 | 165 | 182 | 328 | 360 | 180 |
| 473 | 145 | 165 | 303 | 324 | 160 | 521 | 169 | 184 | 327 | 360 | 180 |
| 473 | 150 | 161 | 297 | 336 | 182 | 525 | 162 | 186 | 330 | 380 | 180 |
| 477 | 146 | 162 | 295 | 328 | 180 | 529 | 170 | 184 | 340 | 372 | 180 |
| 480 | 153 | 168 | 314 | 333 | 168 | 532 | 167 | 178 | 330 | 372 | 180 |
| 481 | 160 | 162 | 308 | 341 | 169 | 535 | 165 | 190 | 341 | 378 | 184 |
| 483 | 150 | 170 | 311 | 327 | 170 | 541 | 181 | 202 | 364 | 395 | 200 |
| 484 | 150 | 165 | 303 | 352 | 184 | 542 | 178 | 191 | 351 | 390 | 184 |
| 484 | 153 | 177 | 312 | 338 | 173 | 543 | 166 | 183 | 342 | 380 | 188 |
| 484 | 157 | 168 | 311 | 333 | 172 | 548 | 171 | 187 | 341 | 380 | 184 |
| 488 | 157 | 173 | 316 | 350 | 174 | 567 | 177 | 200 | 360 | 387 | 180 |
| 491 | 154 | 172 | 312 | 342 | 167 | 590 | 187 | 208 | 375 | 417 | 208 |
| 492 | 151 | 174 | 320 | 344 | 165 | 601 | 188 | 214 | 388 | 420 | 200 |
| 494 | 154 | 176 | 311 | 344 | 171 |     |     |     |     |     |     |
| 497 | 158 | 178 | 321 | 354 | 174 |     |     |     |     |     |     |

\*From the Philippine Bureau of Fisheries

Table 76. Skipjack from the Northwestern Pacific:  
Southeastern Luzon, Philippines \*

| Total Length | Head Length | Snout to Ins. 1st Dorsal | Snout to Ins. 2nd Dorsal | Snout to Ins. Anal | Snout to Ins. Ventral | Total Length | Head Length | Snout to Ins. 1st Dorsal | Snout to Ins. 2nd Dorsal | Snout to Ins. Anal | Snout to Ins. Ventral |
|--------------|-------------|--------------------------|--------------------------|--------------------|-----------------------|--------------|-------------|--------------------------|--------------------------|--------------------|-----------------------|
| 468          | 143         | 167                      | 291                      | 317                | 153                   | 501          | 157         | 175                      | 320                      | 340                | 173                   |
| 472          | 146         | 167                      | 300                      | 328                | 156                   | 504          | 149         | 171                      | 318                      | 336                | 171                   |
| 479          | 147         | 165                      | 298                      | 329                | 167                   | 504          | 160         | 173                      | 319                      | 342                | 171                   |
| 480          | 149         | 165                      | 302                      | 332                | 164                   | 529          | 142         | 162                      | 315                      | 345                | 160                   |
| 482          | 147         | 164                      | 299                      | 328                | 164                   |              |             |                          |                          |                    |                       |

Table 77. Skipjack from the South Central Pacific:  
Society Islands and Marquesas Islands  
(Frozen specimens measured in Honolulu)

| Total Length | Weight | Head Length | Snout to Ins. 1st Dorsal | Snout to Ins. 2nd Dorsal | Snout to Ins. Anal | Snout to Ins. Ventral | Ins. Ventral to Ant. Edge Vent | Greatest Body Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|--------|-------------|--------------------------|--------------------------|--------------------|-----------------------|--------------------------------|---------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 503          | 5.5    | 154         | 181                      | 311                      |                    |                       |                                | 75                  | 50              | 48                | 22          |               |                 | m   | 8/49           | P1   | FCJ      |
| 519          | 6.5    | 160         | 188                      | 327                      |                    |                       |                                | 85                  | 54              | 54                | 23          |               |                 | m   | 8/49           | P1   | FCJ      |
| 586          | 10.5   | 181         | 204                      | 373                      |                    |                       |                                | 96                  |                 | 65                | 24          | 21/38         |                 | m   | 8/49           | P1   | HBE      |
| 599          | 12.5   | 189         | 218                      | 384                      |                    |                       |                                | 97                  | 61              | 64                | 26          | 20/40         |                 | m   | 8/49           | P1   | FCC      |
| 602          | 11     | 186         | 201                      | 372                      |                    |                       |                                | 103                 | 60              |                   | 24          |               |                 | f   | 8/49           | P1   | FCJ      |
| 625          | 12     | 189         | 216                      | 389                      |                    |                       |                                | 98                  | 74              | 71                | 23          |               |                 | f   | 8/49           | P1   | HBE      |
| 625          | 13     | 191         | 218                      | 395                      |                    |                       |                                | 100                 | 72              | 71                | 24          | 18/38         |                 | f   | 8/49           | P1   | FCJ      |
| 626          | 12     | 189         | 220                      | 400                      |                    |                       |                                |                     |                 | 69                | 25          | 19/39         |                 | f   | 8/49           | P1   | FCJ      |
| 630          | 12.8   | 194         | 218                      | 403                      |                    |                       |                                | 105                 | 74              | 70                | 25          | 20/39         |                 | f   | 8/49           | P1   | FCJ      |
| 633          | 12.5   | 194         | 221                      | 403                      |                    |                       |                                | 107                 | 76              | 69                | 25          |               |                 | f   | 8/49           | P1   | FCJ      |
| 633          | 13     | 191         | 224                      | 404                      |                    |                       |                                | 108                 | 74              | 70                | 25          | 19/40         |                 | f   | 8/49           | P1   | HBE      |
| 641          | 13.3   | 196         | 224                      | 402                      |                    |                       |                                |                     | 71              | 73                | 25          |               |                 | m   | 8/49           | P1   | FCJ      |
| 643          | 14     | 196         | 220                      | 406                      |                    |                       |                                | 107                 | 78              | 75                | 26          | 20/37         |                 | m   | 8/49           | P1   | HBE      |
| 645          | 13.5   | 194         | 222                      | 406                      |                    |                       |                                | 106                 | 70              | 68                | 25          | 19/39         |                 | m   | 8/49           | P1   | FCJ      |
| 647          | 13     | 198         | 225                      | 403                      |                    |                       |                                | 112                 | 74              | 74                | 20          | 20/38         |                 | f   | 8/49           | P1   | HBE      |

\*From the Philippine Bureau of Fisheries

Table 77. Skipjack from the South Central Pacific:  
Society Islands and Marquesas Islands (continued)  
(Frozen specimens measured in Honolulu)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Edge Vent | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|-----------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 649          | 14     | 199         | 230                         | 406                         |                       |                          |                                   |                        | 109             | 80                | 75          | 27            | 20/39           | m   | 8/49           | P1   | HBE      |
| 650          | 13.5   | 197         | 220                         | 403                         |                       |                          |                                   |                        | 107             | 79                | 71          | 25            | 19/36           | m   | 8/49           | P1   | HBE      |
| 650          | 14.5   | 203         | 227                         | 416                         |                       |                          |                                   |                        | 111             | 76                | 72          | 22            | 20/37           | m   | 8/49           | P1   | FCJ      |
| 653          | 14     | 204         | 229                         | 406                         |                       |                          |                                   |                        | 116             | 83                | 77          | 24            | 20/38           | f   | 5/49           | P1   | HBE      |
| 655          | 14.5   | 206         | 228                         | 415                         |                       |                          |                                   |                        | 100             | 78                | 73          | 24            | 19/39           | f   | 8/49           | P1   | FCJ      |
| 672          | 14.3   | 208         | 239                         | 426                         |                       |                          |                                   |                        | 115             | 79                | 75          | 26            | 19/41           | f   | 8/49           | P1   | FCJ      |
| 683          | 15.5   | 211         | 238                         | 430                         |                       |                          |                                   |                        |                 | 74                | 66          | 25            |                 | f   | 8/49           | P1   | FCJ      |

Table 78. Skipjack from the South Central Pacific:  
Marquesas Islands  
(Frozen specimens measured in Honolulu)

|     |     |     |     |     |     |  |  |  |    |    |    |    |       |   |      |    |     |
|-----|-----|-----|-----|-----|-----|--|--|--|----|----|----|----|-------|---|------|----|-----|
| 462 | 4.5 | 142 | 163 | 290 |     |  |  |  | 74 | 39 | 36 | 21 | 20/38 | f | 4/49 | P1 | FCC |
| 468 | 5.5 | 143 | 163 | 293 |     |  |  |  | 74 | 46 | 42 | 20 | 20/40 | m | 4/49 | P1 | FCC |
| 469 | 5   | 141 | 164 | 295 |     |  |  |  | 71 | 38 | 40 | 21 | 19/39 | f | 4/49 | P1 | FCC |
| 472 | 5.5 | 142 | 166 | 293 | 319 |  |  |  | 68 | 42 | 42 | 23 | 19/39 | f | 4/49 | P1 | MBS |
| 483 | 5.5 | 147 | 169 | 302 |     |  |  |  | 82 | 46 | 42 | 22 | 21/38 | f | 4/49 | P1 | FCC |
| 494 | 5.5 | 150 | 171 | 311 | 330 |  |  |  | 76 | 43 | 44 | 18 | 20/39 | f | 4/49 | P1 | KY  |
| 496 | 6   | 151 | 170 | 307 |     |  |  |  | 74 | 44 | 41 | 21 | 20/40 | f | 4/49 | P1 | FCC |
| 502 | 5.5 | 156 | 177 | 317 | 341 |  |  |  | 78 | 48 | 44 | 23 | 19/39 | m | 4/49 | P1 | FCJ |
| 502 | 6   | 148 | 173 | 312 | 337 |  |  |  | 76 | 48 | 47 | 21 | 16/39 | m | 4/49 | P1 | MBS |
| 505 | 6   | 153 | 176 | 317 |     |  |  |  | 74 | 46 | 42 |    | 19/40 | f | 4/49 | P1 | FCC |
| 507 | 6   | 154 | 181 | 317 | 342 |  |  |  | 78 | 44 | 47 | 23 | 18/36 | f | 4/49 | P1 | KY  |
| 518 | 7   | 153 | 173 | 322 | 346 |  |  |  | 83 | 49 | 42 | 24 | 18/37 | f | 4/49 | P1 | TFG |
| 527 | 7   | 157 | 179 | 327 | 355 |  |  |  | 78 | 45 | 45 |    | 18/39 | m | 4/49 | P1 | TFG |

Table 79 Skipjack from the South Central Pacific:  
Society Islands  
(Frozen specimens measured in Honolulu)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Edge Vent | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|-----------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 465          | 6.5    | 139         | 160                         | 284                         | 314                   |                          |                                   |                        | 70              | 42                | 41          | 21            |                 | m   | 4/49           | P1   | MBS      |
| 470          | 5      | 142         | 161                         | 291                         | 314                   |                          |                                   |                        | 74              | 39                | 41          | 21            | 18/38           | m   | 4/49           | P1   | TFG      |
| 470          | 7      | 145         | 167                         | 295                         | 318                   |                          |                                   |                        | 73              | 42                | 43          | 22            |                 |     | 4/49           | P1   | KY       |
| 481          | 4.5    | 145         | 163                         | 303                         | 321                   |                          |                                   |                        | 75              | 40                | 40          | 21            | 18/37           | m   | 4/49           | P1   | TFG      |
| 482          | 5.5    | 146         | 167                         | 300                         |                       |                          |                                   |                        | 76              | 43                | 42          | 22            | 19/39           | m   | 4/49           | P1   | FCCJ     |
| 494          | 6      | 149         | 171                         | 309                         | 333                   |                          |                                   |                        | 77              | 44                | 42          | 21            | 18/41           | m   | 4/49           | P1   | FCC      |
| 497          | 8.5    | 154         | 173                         | 317                         |                       |                          |                                   |                        | 81              | 50                | 45          | 23            | 17/37           | f   | 4/49           | P1   | FCC      |
| 501          | 6.5    | 157         | 176                         | 305                         |                       |                          |                                   |                        | 81              | 52                | 48          | 25            | 21/40           | f   | 4/49           | P1   | TFG      |
| 502          | 6      | 154         | 177                         | 317                         |                       |                          |                                   |                        | 77              | 43                | 43          | 22            | 20/38           | f   | 4/49           | P1   | FCC      |
| 504          | 7      | 158         | 181                         | 318                         | 343                   |                          |                                   |                        | 81              | 52                | 51          | 24            | 20/39           | f   | 4/49           | P1   | MBS      |
| 507          |        | 151         | 178                         | 317                         | 348                   |                          |                                   |                        | 76              |                   | 41          | 20            | 19/39           | f   | 4/49           | P1   | KY       |
| 516          | 6      | 155         | 178                         | 315                         | 342                   |                          |                                   |                        | 81              | 55                | 54          | 21            | 16/38           | m   | 4/49           | P1   | KY       |
| 521          | 7      | 157         | 172                         | 319                         | 351                   |                          |                                   |                        | 85              | 45                | 46          | 24            | 20/36           | f   | 4/49           | P1   | TFG      |
| 529          | 7.5    | 161         | 185                         | 333                         | 359                   |                          |                                   |                        | 85              | 57                | 51          | 25            | 19/39           | f   | 4/49           | P1   | KY       |
| 529          | 7.5    | 169         | 185                         | 331                         |                       |                          |                                   |                        | 86              | 50                | 50          | 24            | 18/37           | m   | 4/49           | P1   | FCCJ     |
| 531          |        | 160         | 181                         | 331                         | 360                   |                          |                                   |                        | 86              | 53                | 50          | 24            | 19/39           | f   | 4/49           | P1   | MBS      |
| 531          | 7      | 168         | 192                         | 337                         |                       |                          |                                   |                        | 84              | 52                | 49          | 26            | 20/37           | f   | 4/49           | P1   | FCC      |
| 532          | 8      | 164         | 189                         | 335                         |                       |                          |                                   |                        | 83              | 49                | 44          | 23            | 20/36           | f   | 4/49           | P1   | FCC      |
| 534          | 5.5    | 166         | 188                         | 339                         | 362                   |                          |                                   |                        | 91              | 58                | 54          | 25            | 19/39           | f   | 4/49           | P1   | TFG      |
| 535          | 10.5   | 167         | 188                         | 335                         | 366                   |                          |                                   |                        | 82              | 50                | 50          | 24            | 19/41           | f   | 4/49           | P1   | KY       |
| 536          | 5.5    | 163         | 182                         | 341                         | 366                   |                          |                                   |                        | 87              | 53                | 51          | 23            | 18/38           | m   | 4/49           | P1   | TFG      |
| 538          | 9.5    | 168         | 190                         | 344                         | 368                   |                          |                                   |                        | 87              | 54                | 53          | 25            | 19/38           | f   | 4/49           | P1   | MBS      |
| 542          | 8      | 165         | 190                         | 345                         |                       |                          |                                   |                        | 84              | 51                | 47          | 23            | 21/39           | m   | 4/49           | P1   | FCC      |
| 542          | 8.5    | 170         | 196                         | 336                         |                       |                          |                                   |                        | 85              | 50                | 54          | 25            | 23/42           | m   | 4/49           | P1   | KY       |
| 544          | 9      | 170         | 194                         | 346                         | 376                   |                          |                                   |                        | 88              | 58                | 58          | 26            | 19/38           | f   | 4/49           | P1   | MBS      |
| 548          | 8      | 170         | 190                         | 339                         |                       |                          |                                   |                        | 83              | 56                | 53          | 24            | 19/37           | f   | 4/49           | P1   | MBS      |
| 548          | 8.5    | 169         | 194                         | 347                         | 377                   |                          |                                   |                        | 88              | 54                | 51          | 21            |                 | m   | 4/49           | P1   | KY       |
| 550          | 8.5    | 164         | 192                         | 344                         | 375                   |                          |                                   |                        | 88              | 59                | 53          | 23            | 19/38           | m   | 4/49           | P1   | FCCJ     |
| 551          | 10.5   | 171         |                             | 350                         |                       |                          |                                   |                        | 92              | 54                | 52          |               | 19/40           | m   | 4/49           | P1   | FCC      |
| 554          | 9      | 169         | 199                         | 352                         | 376                   |                          |                                   |                        | 83              | 58                | 53          | 24            | 19/40           | f   | 4/49           | P1   | FCCJ     |

Table 79. Skipjack from the South Central Pacific:  
Society Islands (continued)  
(Frozen specimens measured in Honolulu)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Edge Vent | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|-----------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 561          | 9      | 172         | 196                         | 357                         |                       |                          |                                   |                        | 91              | 54                | 53          | 23            | 20/35           | m   | 4/49           | P1   | FCC      |
| 564          | 9      | 175         | 199                         | 354                         | 383                   |                          |                                   |                        | 88              | 61                | 57          | 26            | 19/37           | m   | 4/49           | P1   | FCJ      |
| 566          | 10     | 174         | 198                         | 355                         |                       |                          |                                   |                        | 93              | 62                | 51          | 26            | 20/41           | f   | 4/49           | P1   | FCJ      |
| 567          | 9      | 181         | 206                         | 359                         | 386                   |                          |                                   |                        | 97              | 58                | 57          | 27            | 19/40           | m   | 4/49           | P1   | FCJ      |
| 569          | 9.5    | 177         | 197                         | 358                         | 390                   |                          |                                   |                        | 81              | 65                | 62          | 25            | 26/38           | f   | 4/49           | P1   | MBS      |
| 609          | 11.5   | 188         | 209                         | 383                         |                       |                          |                                   |                        |                 | 66                | 57          | 25            | 18/37           | m   | 4/49           | P1   | FCJ      |
| 733          | 21.5   | 228         | 262                         | 466                         | 505                   |                          |                                   |                        | 121             | 86                | 81          | 29            | 19/38           | f   | 4/49           | P1   | FCJ      |
| 755          | 25     | 226         | 260                         | 473                         | 516                   |                          |                                   |                        | 127             | 87                | 80          | 28            | 20/41           | m   | 4/49           | P1   | FCJ      |
| 756          | 27.5   | 238         | 266                         | 489                         | 518                   |                          |                                   |                        | 131             | 94                | 96          | 29            | 18/38           | m   | 4/49           | P1   | MBS      |
| 759          | 25     | 233         | 249                         | 479                         | 524                   |                          |                                   |                        | 132             | 79                | 82          | 30            | 20/41           | f   | 4/49           | P1   | TFG      |
| 759          | 25     | 236         | 261                         | 477                         |                       |                          |                                   |                        | 132             | 94                | 82          | 30            | 20/41           | m   | 4/49           | P1   | FCJ      |
| 763          | 24     | 229         | 263                         | 481                         | 522                   |                          |                                   |                        | 124             | 85                | 85          | 30            | 19/37           | f   | 4/49           | P1   | MBS      |
| 766          | 23.5   | 240         | 264                         | 488                         | 519                   |                          |                                   |                        | 123             |                   | 89          | 30            | 17/38           | f   | 4/49           | P1   | TFG      |
| 768          | 25     | 235         | 269                         | 491                         |                       |                          |                                   |                        | 128             | 90                | 83          | 31            |                 | m   | 4/49           | P1   | FCJ      |
| 769          | 27     | 232         | 264                         | 501                         | 539                   |                          |                                   |                        | 140             | 93                | 88          | 32            | 18/38           | f   | 4/49           | P1   | TFG      |
| 773          | 25     | 239         | 264                         | 486                         | 522                   |                          |                                   |                        | 125             | 86                | 84          | 29            | 18/41           | f   | 4/49           | P1   | TFG      |
| 774          | 25.5   | 239         | 268                         | 491                         |                       |                          |                                   |                        | 128             | 92                | 87          | 31            | 19/38           | f   | 4/49           | P1   | FCC      |
| 777          | 25.5   | 238         | 262                         | 490                         | 533                   |                          |                                   |                        | 128             | 94                | 85          | 29            | 18/37           | f   | 4/49           | P1   | TFG      |
| 782          | 25     | 245         | 281                         | 500                         | 531                   |                          |                                   |                        | 136             | 90                | 92          | 31            | 20/39           | m   | 4/49           | P1   | MBS      |
| 783          | 25     | 239         | 270                         | 494                         | 537                   |                          |                                   |                        | 127             | 94                | 88          | 27            | 19/38           | f   | 4/49           | P1   | KY       |
| 785          | 26     | 237         | 282                         | 499                         | 535                   |                          |                                   |                        | 135             | 98                | 93          | 30            | 19/39           | f   | 4/49           | P1   | FCJ      |
| 785          | 26.5   | 244         | 260                         | 493                         | 543                   |                          |                                   |                        | 130             | 94                | 85          | 31            | 21/37           | f   | 4/49           | P1   | TFG      |
| 786          | 22.5   | 239         | 266                         | 494                         | 537                   |                          |                                   |                        | 128             | 90                | 91          | 29            | 19/38           | f   | 4/49           | P1   | TFG      |
| 788          | 26     | 240         | 272                         | 498                         | 545                   |                          |                                   |                        | 129             | 102               | 94          | 30            | 19/38           | f   | 4/49           | P1   | MBS      |
| 788          | 26     | 240         | 273                         | 499                         |                       |                          |                                   |                        |                 | 89                | 83          | 30            | 20/39           | f   | 4/49           | P1   | FCC      |
| 789          | 24.5   | 246         | 263                         | 495                         |                       |                          |                                   |                        | 127             | 96                | 85          | 30            | 20/41           | f   | 4/49           | P1   | TFG      |
| 790          | 28.5   | 244         | 270                         | 503                         | 540                   |                          |                                   |                        | 134             | 95                | 91          | 31            | 21/38           | m   | 4/49           | P1   | TFG      |
| 791          | 26     | 252         | 273                         | 500                         | 543                   |                          |                                   |                        |                 | 98                | 90          | 31            | 19/36           | m   | 4/49           | P1   | TFG      |
| 792          | 25     | 242         | 272                         | 498                         | 536                   |                          |                                   |                        | 135             | 104               | 96          | 31            | 19/37           | m   | 4/49           | P1   | KY       |
| 794          | 26     | 244         | 279                         | 500                         |                       |                          |                                   |                        | 134             | 93                | 90          | 32            | 18/36           | m   | 4/49           | P1   | FCC      |

Table 79. Skipjack from the South Central Pacific:  
Society Islands (continued)  
(Frozen specimens measured in Honolulu)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Edge Vent | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|-----------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 796          | 26.5   | 249         | 277                         | 501                         |                       |                          |                                   |                        | 123             | 83                |             | 33            | 20/40           | f   | 4/49           | P1   | TFG      |
| 797          | 28     | 247         | 273                         | 504                         | 543                   |                          |                                   |                        | 139             | 92                | 85          | 30            | 16/38           | f   | 4/49           | P1   | MBS      |
| 797          | 28     | 248         | 275                         | 504                         |                       |                          |                                   |                        | 138             | 96                | 90          | 30            | 19/38           | m   | 4/49           | P1   | FCJ      |
| 798          | 26     | 243         | 267                         | 488                         |                       |                          |                                   |                        | 132             | 93                | 85          | 30            | 18/39           | m   | 4/49           | P1   | TFG      |
| 798          | 29     | 252         | 275                         | 506                         | 542                   |                          |                                   |                        | 145             | 88                | 92          | 29            | 18/38           |     | 4/49           | P1   | KY       |
| 799          | 27.5   | 233         | 263                         | 491                         | 550                   |                          |                                   |                        | 130             | 95                | 95          | 28            | 19/43           | m   | 4/49           | P1   | MBS      |
| 800          | 30     | 252         | 274                         | 508                         | 551                   |                          |                                   |                        | 131             | 98                | 93          | 29            | 17/39           |     | 4/49           | P1   | TFG      |
| 801          | 26.0   | 242         | 269                         | 498                         |                       |                          |                                   |                        | 130             | 90                | 87          | 28            |                 | m   | 4/49           | P1   | FCC      |
| 802          | 28.5   | 245         | 277                         | 506                         | 551                   |                          |                                   |                        | 131             | 90                | 86          | 27            | 19/38           | m   | 4/49           | P1   | KY       |
| 804          | 26.5   | 241         | 280                         | 507                         |                       |                          |                                   |                        | 125             | 81                | 83          | 29            | 19/38           | f   | 4/49           | P1   | FCC      |
| 804          | 27.5   | 245         | 274                         | 510                         | 540                   |                          |                                   |                        | 133             | 92                | 92          | 31            | 19/31           | m   | 4/49           | P1   | TFG      |
| 807          | 27.5   | 244         | 276                         | 507                         | 549                   |                          |                                   |                        | 129             | 97                | 92          | 30            |                 | m   | 4/49           | P1   | MBS      |
| 808          | 29     | 248         | 283                         | 510                         | 555                   |                          |                                   |                        | 130             | 101               | 95          | 32            | 19/39           | m   | 4/49           | P1   | MBS      |
| 810          | 26.5   | 252         | 290                         | 510                         | 547                   |                          |                                   |                        | 140             | 105               |             | 30            | 22/41           | m   | 4/49           | P1   | KY       |
| 810          | 28.5   | 247         | 272                         | 506                         | 549                   |                          |                                   |                        | 134             | 102               | 95          | 31            | 19/38           |     | 4/49           | P1   | MBS      |
| 810          | 30     | 242         | 272                         | 506                         |                       |                          |                                   |                        | 134             | 100               | 88          | 29            | 19/42           | m   | 4/49           | P1   | FCJ      |
| 811          | 27.5   | 249         | 270                         | 510                         | 547                   |                          |                                   |                        | 133             | 82                | 88          | 30            | 19/37           | f   | 4/49           | P1   | TFG      |
| 811          | 31.5   | 256         | 284                         | 519                         |                       |                          |                                   |                        | 137             | 100               | 92          | 32            | 19/42           | m   | 4/49           | P1   | FCJ      |
| 815          | 31     | 253         | 284                         | 517                         |                       |                          |                                   |                        | 135             | 97                | 94          | 31            |                 | m   | 4/49           | P1   | FCC      |
| 816          | 31.5   | 247         | 283                         | 515                         | 559                   |                          |                                   |                        | 131             | 96                | 94          | 29            | 19/36           | m   | 4/49           | P1   | KY       |
| 821          | 28     | 251         | 279                         | 510                         | 560                   |                          |                                   |                        | 134             | 91                | 90          | 28            | 21/41           | m   | 4/49           | P1   | TFG      |
| 821          | 32     | 254         | 281                         | 523                         |                       |                          |                                   |                        | 140             | 95                |             | 33            | 20/42           | m   | 4/49           | P1   | FCC      |
| 826          | 34.5   | 258         | 299                         | 529                         | 564                   |                          |                                   |                        | 134             | 89                | 100         | 29            | 20/39           | f   | 4/49           | P1   | KY       |
| 849          | 34     | 265         | 308                         | 542                         | 582                   |                          |                                   |                        | 146             | 100               | 98          | 33            | 19/40           | m   | 4/49           | P1   | MBS      |
| 858          | 32.5   | 260         | 292                         | 550                         |                       |                          |                                   |                        | 137             | 110               | 97          | 31            |                 | m   | 4/49           | P1   | TFG      |
| 880          | 35     | 269         | 299                         | 550                         | 596                   |                          |                                   |                        | 145             | 103               | 102         | 32            | 20/41           | m   | 4/49           | P1   | MBS      |



Table 80. Little Tunny from the Central Equatorial Pacific:  
Phoenix Islands

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Edge Vent | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|-----------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 565          | 7.5    | 149         | 170                         | 317                         | 363                   | 175                      | 204                               | 132                    | 98              | 50                | 50          | 23            |                 |     | 8/50           | Pl   | KY       |

Table 81. Little Tunny from the Western Equatorial Pacific:  
Western Marshalls

|     |     |     |     |     |     |     |  |     |    |    |    |    |  |   |      |    |     |
|-----|-----|-----|-----|-----|-----|-----|--|-----|----|----|----|----|--|---|------|----|-----|
| 424 | 3   | 114 | 126 | 250 | 276 | 131 |  | 108 | 77 | 33 | 36 | 19 |  | f | */47 | Tr | JCM |
| 430 | 3   | 115 | 128 | 247 | 277 | 135 |  | 106 | 74 | 32 | 34 | 18 |  | f | */47 | Tr | JCM |
| 438 | 3.5 | 121 | 136 | 264 | 292 | 139 |  | 111 | 78 | 34 | 36 | 21 |  | f | */47 | Tr | JCM |
| 440 | 3.5 | 122 | 142 | 273 | 293 | 140 |  | 115 | 79 | 35 | 34 | 20 |  | f | */47 | Tr | JCM |
| 441 | 3.5 | 120 | 135 | 266 | 295 | 137 |  | 111 | 78 | 37 | 34 | 21 |  | f | */47 | Tr | JCM |
| 448 | 3.5 | 120 | 130 | 261 | 290 | 139 |  | 109 | 77 | 36 | 38 | 19 |  | m | */47 | Tr | JCM |
| 451 | 3.5 | 125 | 143 | 268 | 297 | 144 |  | 119 | 79 | 33 | 34 | 21 |  | f | */47 | Tr | JCM |
| 453 | 4   | 125 | 137 | 270 | 298 | 142 |  | 116 | 78 | 37 | 38 | 21 |  | f | */47 | Tr | JCM |
| 454 | 4   | 127 | 137 | 276 | 308 | 151 |  | 117 | 80 | 37 | 37 | 21 |  | f | */47 | Tr | JCM |
| 457 | 3.5 | 124 | 140 | 276 | 299 | 142 |  | 110 | 81 | 33 | 37 | 20 |  | m | */47 | Tr | JCM |
| 460 | 4   | 128 | 138 | 273 | 307 | 148 |  | 117 | 85 | 36 | 38 | 21 |  | f | */47 | Tr | JCM |
| 467 | 4   | 125 | 142 | 279 | 312 | 153 |  | 115 | 79 | 33 | 33 | 21 |  | f | */47 | Tr | JCM |
| 470 | 4   | 126 | 137 | 271 | 300 | 145 |  | 117 | 82 | 37 | 40 | 22 |  | m | */47 | Tr | JCM |
| 473 | 4   | 130 | 144 | 285 | 313 | 151 |  | 111 | 83 |    | 36 | 22 |  | f | */47 | Tr | JCM |
| 477 | 4   | 133 | 148 | 287 | 319 | 154 |  | 123 | 86 | 38 | 39 | 22 |  | m | */47 | Tr | JCM |
| 479 | 4   | 130 | 144 | 283 | 311 | 150 |  | 116 | 87 | 35 | 40 | 21 |  | m | */47 | Tr | JCM |
| 481 | 4.5 | 129 | 142 | 287 | 316 | 157 |  | 124 | 82 | 41 | 39 | 20 |  | m | */47 | Tr | JCM |
| 482 | 4.5 | 130 | 143 | 283 | 315 | 152 |  | 126 | 83 | 36 | 38 | 21 |  |   | */47 | Tr | JCM |
| 485 | 4   | 130 | 145 | 285 | 318 | 164 |  | 116 | 87 | 39 | 38 | 20 |  | m | */47 | Tr | JCM |
| 487 | 4.5 | 135 | 148 | 287 | 320 | 158 |  | 120 | 86 | 41 | 42 | 22 |  | m | */47 | Tr | JCM |
| 494 | 4   | 135 | 146 | 288 | 329 | 157 |  | 124 | 88 | 37 | 39 | 22 |  | f | */47 | Tr | JCM |
| 496 | 4.5 | 136 | 150 | 297 | 327 | 155 |  | 122 | 83 | 39 | 38 | 23 |  | m | */47 | Tr | JCM |
| 497 | 4.5 | 134 | 148 | 296 | 326 | 154 |  | 119 | 87 | 42 | 39 | 20 |  | m | */47 | Tr | JCM |
| 498 | 4.5 | 134 | 152 | 296 | 330 | 161 |  | 121 | 85 | 37 | 41 | 23 |  | m | */47 | Tr | JCM |
| 502 | 4.5 | 138 | 151 | 300 | 327 | 160 |  | 120 | 87 | 36 | 37 | 21 |  | m | */47 | Tr | JCM |

\*From July 19 to August 26.

Table 81. Little Tunny from the Western Equatorial Pacific:  
Western Marshalls (continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Edge Vent | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gen | Examiner |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|-----------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|-----|----------|
| 503          | 4.5    | 135         | 149                         | 296                         | 326                   | 157                      |                                   | 124                    | 87              | 42                | 42          | 22            |                 | m   | */47           | Tr  | JCM      |
| 510          |        | 140         | 149                         | 301                         | 331                   | 157                      |                                   | 122                    | 88              | 41                | 42          | 22            |                 | m   | */47           | Tr  | JCM      |
| 525          | 5.3    | 140         | 150                         | 305                         | 344                   | 164                      |                                   | 125                    | 87              | 42                | 44          | 22            |                 | m   | */47           | Tr  | JCM      |
| 555          | 6      | 150         | 162                         | 321                         | 359                   | 177                      |                                   | 136                    | 101             | 49                | 47          | 24            |                 | m   | */47           | Tr  | JCM      |
| 595          | 7      | 162         | 182                         | 348                         | 382                   | 186                      |                                   | 142                    | 108             | 50                | 51          | 24            |                 | m   | */47           | Tr  | JCM      |

Table 82. Little Tunny from the Western Equatorial Pacific:  
Western Carolines

|     |     |     |     |     |     |     |  |     |    |    |    |    |      |   |      |    |     |
|-----|-----|-----|-----|-----|-----|-----|--|-----|----|----|----|----|------|---|------|----|-----|
| 459 | 4.5 | 122 | 136 | 269 | 298 | 145 |  | 120 | 83 | 35 | 36 | 19 | 8/23 | m | 5/48 | Tr | ORS |
| 485 | 4   | 133 | 141 | 285 | 317 | 153 |  | 120 | 88 | 35 | 38 | 19 | 9/23 | f | 5/48 | Tr | ORS |
| 503 | 5   | 135 | 146 | 294 | 321 | 152 |  | 124 | 88 | 39 | 43 | 19 | 9/22 | m | 5/48 | Tr | ORS |
| 539 | 7   | 141 | 154 | 315 | 347 | 162 |  | 133 | 92 | 42 | 44 | 21 | 8/22 | m | 5/48 | Tr | ORS |

Table 83. Little Tunny from the Northeastern Pacific

|     |   |     |     |     |     |     |  |     |    |    |    |    |       |   |      |  |      |
|-----|---|-----|-----|-----|-----|-----|--|-----|----|----|----|----|-------|---|------|--|------|
| 393 | 2 | 109 | 124 | 251 | 274 | 125 |  | 96  | 55 | 20 | 21 | 17 | 11/35 | m | 4/47 |  | a    |
| 545 | 6 | 158 | 162 | 313 | 361 | 174 |  | 137 | 86 | 40 | 41 | 24 | 10/25 |   | 5/49 |  | GWMb |

Table 84. Little Tunny from the North Central Pacific:  
Hawaiian Islands

|     |     |     |     |     |     |     |  |    |    |    |    |    |      |   |      |    |     |
|-----|-----|-----|-----|-----|-----|-----|--|----|----|----|----|----|------|---|------|----|-----|
| 276 | 1   | 78  | 87  | 167 | 186 | 90  |  | 74 | 43 | 14 | 15 | 13 | 9/23 |   |      |    | HHE |
| 294 | 1   | 80  | 90  | 175 | 199 | 92  |  | 76 | 45 | 17 | 17 | 12 | 9/23 |   | 8/48 |    | HHE |
| 326 | 1.5 | 93  | 105 | 202 | 223 | 106 |  | 82 | 54 | 24 | 23 | 16 | 8/25 |   | 1/48 | Tr | MBS |
| 335 |     | 95  | 106 | 204 | 225 | 112 |  | 84 | 54 | 20 | 23 | 16 |      |   | 4/49 | Tr | KY  |
| 337 | 1.6 | 97  | 108 | 207 | 229 | 109 |  | 95 | 58 | 23 | 24 | 17 | 9/22 |   | 3/49 | Tr | FCJ |
| 341 |     | 95  | 105 | 202 | 228 | 110 |  |    | 51 | 21 | 21 | 15 |      | m | 1/48 | Tr | MBS |
| 342 | 2   | 101 | 110 | 209 | 231 | 115 |  |    | 60 | 22 | 22 | 17 | 9/22 | f | 8/48 |    | HHE |
| 345 | 1.5 | 100 | 112 | 207 | 229 | 113 |  | 86 | 57 | 23 | 24 | 17 | 9/21 |   | 1/48 | Tr | MBS |
| 365 | 2   | 105 | 115 | 220 | 246 | 121 |  | 94 | 59 | 26 | 26 | 17 | 9/23 |   | 1/48 | Tr | MBS |
| 374 | 3   | 105 | 120 | 225 | 244 | 122 |  |    | 61 | 25 | 23 | 17 | 9/23 | m | 8/48 | Tr | HHE |

\*From July 19 to August 26.

a. Off Costa Rica

b. Off Guatemala

Table 84 Little Tunny from the North Central Pacific:  
Hawaiian Islands (continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Edge Vent | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|-----------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 388          |        | 107         | 124                         | 236                         | 262                   | 120                      | 139                               | 97                     | 55              | 23                | 26          | 20            | 8/22            | f   | 5/51           | Tr   | NIC      |
| 389          | 2.6    | 108         | 125                         | 229                         | 258                   | 123                      |                                   | 104                    | 66              | 28                | 31          | 18            | 9/23            |     | 3/49           | Tr   | FCJ      |
| 399          | 3      | 115         | 127                         | 243                         | 279                   | 138                      |                                   | 113                    | 66              | 25                | 25          | 19            | 8/23            | f   | 7/48           |      | HHE      |
| 402          |        | 117         | 133                         | 231                         | 272                   | 132                      | 139                               | 120                    | 69              | 27                | 26          | 18            | 7/22            | m   | 5/51           | Tr   | WCM      |
| 403          | 2½     | 114         | 124                         | 240                         | 259                   | 130                      | 130                               | 98                     | 70              | 34                | 31          | 19            | 8/22            |     | 1/50           | Tr   | JWR      |
| 403          | 4      | 110         | 124                         | 239                         | 263                   | 130                      |                                   | 105                    | 67              | 28                | 28          | 20            | 9/24            | f   | 8/48           | Pl   | HHE      |
| 406          | 3      | 114         | 128                         | 239                         | 273                   | 127                      |                                   | 106                    | 68              | 37                | 33          | 18            | 10/23           | f   | 9/49           | Pl   | HBE      |
| 408          |        | 115         | 128                         | 249                         | 272                   | 131                      | 144                               | 107                    | 68              | 27                | 29          | 19            | 8/21            | f   | 5/51           | Tr   | WCM      |
| 408          |        | 118         | 130                         | 250                         | 275                   | 133                      | 150                               | 110                    | 168             |                   |             |               | 9/25            | f   | 5/51           | Tr   | FCJ      |
| 410          | 5      | 118         | 128                         | 247                         | 266                   | 131                      |                                   | 116                    | 69              | 26                | 27          | 20            | 8/22            |     | 7/48           | Pl   | HHE      |
| 412          | 4      | 116         | 128                         | 249                         | 270                   | 132                      |                                   | 109                    | 70              | 29                | 29          | 18            | 9/23            | m   | 7/48           |      | HHE      |
| 425          | 2.9    | 125         | 138                         | 261                         | 288                   | 138                      |                                   | 113                    | 73              | 32                | 32          | 21            |                 |     | 3/49           | Tr   | FCJ      |
| 428          | 3.5    | 123         | 134                         | 258                         | 288                   | 141                      |                                   | 116                    | 67              | 29                | 27          | 18            | 9/23            | m   | 8/48           |      | HHE      |
| 433          | 3¼     | 125         | 140                         | 258                         | 290                   | 144                      | 159                               | 110                    | 72              | 35                | 34          | 18            | 9/22            | f   | 7/50           | Pl   | KY       |
| 440          | 4.5    | 128         | 146                         | 280                         | 306                   | 147                      |                                   | 125                    | 73              | 32                | 30          | 19            | 8/22            | f   | 8/48           | Tr   | HHE      |
| 442          | 3.9    | 127         | 144                         | 270                         | 299                   | 148                      |                                   | 124                    | 76              | 33                | 36          | 19            | 8/22            |     | 3/49           | Tr   | FCJ      |
| 449          | 4      | 130         | 148                         | 269                         | 305                   | 149                      |                                   | 117                    | 74              | 33                | 32          | 20            | 8/24            | f   | 1/48           | Tr   | MBS      |
| 451          | 4      | 130         | 148                         | 278                         | 309                   | 149                      |                                   | 117                    | 76              | 30                | 30          | 20            | 9/22            | f   | 7/48           | Tr   | ORS      |
| 453          |        | 129         | 145                         | 272                         | 299                   | 144                      | 150                               | 120                    | 71              | 34                | 32          | 19            | 8/24            | f   | 5/51           | Tr   | WCM      |
| 453          | 4.5    | 128         | 146                         | 280                         | 307                   | 153                      |                                   | 117                    | 77              | 33                | 35          | 21            | 8/22            | f   | 1/48           | Tr   | MBS      |
| 454          | 5      | 135         | 146                         | 275                         | 306                   | 138                      |                                   | 130                    | 80              | 32                | 31          | 20            | 9/22            | f   | 7/48           |      | HHE      |
| 456          | ^      | 128         | 148                         | 262                         | 311                   | 151                      |                                   | 125                    | 78              | 33                | 35          | 20            | 9/24            | m   | 1/48           | Tr   | MBS      |
| 457          |        | 133         | 147                         | 278                         | 312                   | 150                      |                                   | 114                    | 77              | 31                | 35          | 20            | 8/22            | f   | 1/48           | Tr   | MBS      |
| 463          | 4.1    | 130         | 144                         | 282                         | 311                   | 145                      |                                   | 127                    | 79              | 33                | 33          | 21            | 8/22            |     | 3/49           | Tr   | FCJ      |
| 467          | 4.5    | 135         | 146                         | 284                         | 319                   | 161                      |                                   | 119                    | 76              | 32                | 32          | 20            | 8/22            |     | 1/48           | Tr   | MBS      |
| 476          | 5      | 139         | 159                         | 294                         | 325                   | 157                      |                                   | 119                    | 83              | 31                | 32          | 20            | 3/25            | f   | 7/48           |      | ORS      |
| 480          |        | 144         | 156                         | 295                         | 323                   | 161                      |                                   | 132                    | 89              | 38                | 37          | 21            |                 |     | 1/48           | Tr   | MBS      |
| 481          | 4      | 140         | 158                         | 293                         | 324                   | 162                      |                                   | 122                    | 81              | 35                | 37          | 20            | 8/23            |     | 1/48           | Tr   | MBS      |
| 496          |        | 141         | 157                         | 304                         | 340                   | 166                      |                                   | 132                    | 85              | 34                | 36          | 22            |                 |     | 1/48           | Tr   | MBS      |
| 514          | 6.5    | 150         | 160                         | 313                         | 349                   | 169                      |                                   | 139                    | 82              | 36                | 34          | 21            | 9/23            | f   | 8/48           |      | HHE      |

Table 84. Little Tunny from the North Central Pacific:  
Hawaiian Islands (continued)

| Total Length | Weight                         | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Edge Vent | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex  | Month and Year | Gear | Examiner |
|--------------|--------------------------------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|-----------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|------|----------------|------|----------|
| 519          | 6.5                            | 149         | 166                         | 313                         | 343                   | 173                      |                                   | 138                    | 80              | 37                | 40          | 21            | 9/23            | m    | 7/48           | Tr   | HHE      |
| 530          | 7.5                            | 152         | 168                         | 316                         | 354                   | 166                      |                                   | 152                    | 90              | 36                | 42          | 23            | 8/23            | f    | 7/48           |      | HHE      |
| 539          | 6                              | 155         | 167                         | 318                         | 358                   | 182                      |                                   | 139                    | 83              | 44                | 41          | 21            | 9/24            |      | 1/48           | Tr   | MBS      |
| 544          | 5.2                            | 158         | 172                         | 334                         | 372                   | 172                      |                                   | 145                    | 69              | 45                | 44          | 24            | 8/24            |      | 3/49           | Tr   | FCJ      |
| 552          | 8                              | 154         | 127                         | 336                         | 369                   | 176                      |                                   | 143                    | 93              | 43                | 45          | 24            | 9/22            | f    | 8/48           |      | HHE      |
| 554          | 7 <sup>3</sup> / <sub>4</sub>  | 156         | 171                         | 338                         | 370                   | 174                      |                                   | 160                    | 91              | 44                | 42          | 22            | 9/23            | m    | 3/49           | Tr   | FCJ      |
| 579          | 9                              | 170         | 187                         | 350                         | 385                   | 183                      | 204                               | 146                    | 107             | 52                | 53          | 25            | 9/23            | f    | 1/50           | Tr   | JWR      |
| 586          | 9                              | 163         | 181                         | 349                         | 384                   | 186                      |                                   | 152                    | 104             | 52                | 51          | 23            | 8/22            | m    | 1/48           | Tr   | MBS      |
| 588          | 9                              | 163         | 181                         | 353                         | 389                   | 186                      |                                   | 152                    | 100             | 46                | 49          | 24            | 8/21            |      | 1/48           | Tr   | MBS      |
| 606          | 9.5                            | 174         | 184                         | 371                         | 409                   | 191                      |                                   | 166                    | 103             | 45                | 47          | 24            | 9/23            | f    | 8/48           |      | HHE      |
| 613          |                                | 171         | 179                         | 372                         | 409                   | 192                      | 218                               | 173                    | 96              | 48                | 50          | 21            | 9/24            | f    | 5/51           | Tr   | FCJ      |
| 613          | 10                             | 170         | 192                         | 365                         | 408                   | 190                      |                                   | 167                    | 108             | 52                | 51          | 24            | 8/21            |      | 6/49           | Pl   | KY       |
| 620          |                                | 172         | 195                         | 375                         | 417                   | 192                      | 232                               | 170                    | 98              | 43                | 42          | 26            | 7/24            | f    | 5/51           | Tr   | WMM      |
| 626          |                                | 181         | 193                         | 392                         | 435                   | 200                      | 236                               | 184                    | 110             | 50                | 43          | 25            | 8/25            | m    | 5/51           | Tr   | WMM      |
| 629          | 11                             | 185         | 200                         | 377                         | 416                   | 207                      | 213                               | 160                    | 105             | 53                | 58          | 25            | 9/24            | m    | 1/50           | Tr   | JWR      |
| 630          |                                | 180         | 196                         | 372                         | 432                   | 204                      | 238                               | 174                    | 110             | 48                | 53          | 25            | 3/23            | m    | 5/51           | Tr   | WMM      |
| 639          |                                | 179         | 200                         | 381                         | 441                   | 198                      | 243                               | 177                    | 99              | 55                | 51          | 25            | 7/25            | m    | 5/51           | Tr   | WMM      |
| 652          | 12.5                           | 187         | 202                         | 395                         | 435                   | 209                      | 226                               | 167                    | 115             | 62                | 62          | 25            | 9/23            | m    | 1/50           | Tr   | JWR      |
| 658          |                                | 209         | 405                         | 449                         | 213                   | 229                      | 181                               | 107                    | 50              | 54                | 26          | 7/25          | m               | 5/51 | Tr             | WMM  |          |
| 665          | 13.5                           | 193         | 208                         | 400                         | 435                   | 215                      |                                   | 174                    | 123             | 56                | 61          | 26            | 3/23            | m    | 1/50           | Tr   | JWR      |
| 668          | 11.5                           | 184         | 195                         | 398                         | 439                   | 209                      |                                   | 170                    | 107             | 53                | 50          | 26            |                 | f    | 8/48           | Tr   | HHE      |
| 674          | 13                             | 192         | 210                         | 400                         | 448                   | 214                      | 237                               | 177                    | 120             | 57                | 58          | 26            | 8/23            | m    | 1/50           | Tr   | JWR      |
| 675          | 13.5                           | 190         | 209                         | 403                         | 439                   | 212                      | 232                               | 174                    | 107             | 59                | 63          | 26            | 8/23            | f    | 1/50           | Tr   | JWR      |
| 680          | 13 <sup>1</sup> / <sub>2</sub> | 194         | 209                         | 402                         | 457                   | 215                      | 244                               | 170                    | 119             | 60                | 66          | 27            | 8/23            | m    | 1/50           | Tr   | JWR      |
| 680          | 17                             | 190         | 204                         | 407                         | 458                   | 219                      |                                   | 202                    | 124             | 67                | 55          | 26            | 9/22            |      | 5/49           | Pl   | KY       |
| 685          | 14                             | 199         | 215                         | 407                         | 460                   | 221                      | 238                               | 180                    | 117             | 60                |             | 28            | 3/22            | m    | 1/50           | Tr   | JWR      |
| 687          |                                | 197         | 222                         | 421                         | 466                   | 220                      | 247                               | 198                    | 114             | 50                | 52          | 26            | 8/23            | m    | 5/51           | Tr   | WMM      |
| 694          | 14.6                           | 199         | 220                         | 417                         | 462                   | 218                      |                                   | 191                    | 118             | 57                | 56          | 25            | 8/24            |      | 3/49           | Tr   | FCJ      |
| 697          | 14.5                           | 197         | 212                         | 409                         | 469                   | 219                      |                                   | 191                    |                 | 54                | 60          | 26            | 9/23            | m    | 7/48           |      | HHE      |
| 697          | 15.5                           | 202         | 217                         | 419                         | 463                   | 218                      | 252                               | 190                    | 126             | 60                | 65          | 27            | 3/23            | m    | 1/50           | Tr   | JWR      |

Table 84. Little Tunny from the North Central Pacific  
Hawaiian Islands (continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Edge Vent. | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|------------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 701          | 16.4   | 212         | 233                         | 432                         | 475                   | 239                      |                                    | 197                    | 120             | 62                | 59          | 27            | 8/23            |     |                | Tr   | FCJ      |
| 702          | 15     | 196         | 210                         | 410                         | 466                   | 218                      |                                    | 187                    | 120             | 70                | 62          | 24            | 8/25            |     | 5/49           | P1   | KY       |
| 706          |        | 195         | 204                         | 412                         | 464                   | 219                      | 244                                | 175                    | 113             | 54                | 55          | 24            |                 |     | 6/50           | Tr   | KE       |
| 721          |        | 209         | 229                         | 434                         | 497                   | 230                      |                                    | 186                    | 116             | 71                | 75          | 26            | 7/21            |     | 9/49           | Tr   | HBE      |
| 734          | 14.5   | 206         | 227                         | 438                         | 484                   | 238                      |                                    | 180                    | 127             | 55                | 57          | 29            | 9/23            | f   | 7/48           | Tr   | HHE      |
| 761          | 18     | 216         | 233                         | 447                         | 501                   | 249                      |                                    | 195                    | 124             | 70                | 68          | 27            | 7/20            |     | 7/49           | Tr   | HBE      |

Table 85. Little Tunny from the Northwestern Pacific  
Marianas

|     |   |     |     |     |     |     |  |     |    |    |    |    |      |   |      |    |     |
|-----|---|-----|-----|-----|-----|-----|--|-----|----|----|----|----|------|---|------|----|-----|
| 429 | 3 | 118 | 132 | 248 | 270 | 130 |  | 107 | 73 | 34 | 32 | 20 | 8/24 | f | 3/48 | Tr | MBS |
|-----|---|-----|-----|-----|-----|-----|--|-----|----|----|----|----|------|---|------|----|-----|

Table 86. Little Tunny from the Northwestern Pacific  
Japan

|     |     |     |     |     |     |     |  |     |    |    |    |    |       |   |      |    |     |
|-----|-----|-----|-----|-----|-----|-----|--|-----|----|----|----|----|-------|---|------|----|-----|
| 379 | 2.2 | 100 | 117 | 228 | 257 | 117 |  | 99  | 58 |    |    | 17 | 8/21  |   | 5/49 | P1 | BMS |
| 400 | 2.6 | 103 | 114 | 224 | 259 | 118 |  | 102 | 61 | 31 | 31 | 17 |       |   | 5/49 | P1 | BMS |
| 420 | 2.9 | 113 | 127 | 244 | 276 | 127 |  |     | 70 |    |    | 18 | 9/23  | f | 5/49 | P1 | BMS |
| 433 | 3.1 | 113 | 130 | 250 | 274 | 130 |  | 111 | 70 | 35 | 33 | 17 | 8/23  |   | 5/49 | P1 | BMS |
| 452 | 3.7 | 117 | 133 | 257 | 291 | 134 |  | 121 | 74 | 33 | 33 | 19 | 10/23 |   | 5/49 | P1 | BMS |
| 466 | 4.6 | 129 | 141 | 276 | 306 | 149 |  | 126 | 78 |    |    | 19 | 8/23  | f | 5/49 | P1 | BMS |
| 479 | 4.7 | 128 | 142 | 280 | 312 | 144 |  | 124 | 75 | 31 | 30 | 20 | 9/23  |   | 5/49 | P1 | BMS |
| 488 | 5.1 | 133 | 150 | 283 | 312 | 152 |  | 128 | 81 | 36 | 38 | 21 | 9/23  |   | 5/49 | P1 | BMS |
| 491 | 5.4 | 128 | 147 | 288 | 317 | 146 |  | 129 | 78 | 35 | 34 | 20 | 8/23  |   | 5/49 | P1 | BMS |
| 511 | 5.7 | 136 | 152 | 294 | 329 | 155 |  | 129 | 83 | 39 | 38 | 21 | 9/22  |   | 5/49 | P1 | BMS |
| 519 | 6.5 | 141 | 164 | 308 | 339 | 162 |  | 141 | 91 | 46 | 43 | 20 | 8/21  |   | 5/49 | P1 | BMS |
| 547 | 7.2 | 151 | 166 | 317 | 361 | 170 |  | 149 | 95 | 43 | 41 | 21 | 9/23  |   | 5/49 | P1 | BMS |
| 581 | 8.8 | 157 | 173 | 343 | 380 | 176 |  | 148 | 94 | 47 | 45 | 24 | 9/23  |   | 5/49 | P1 | BMS |

Table 87. Little tunny from the Northwestern Pacific  
Southwestern Panay Islands, Philippines\*

| Total Length | Head Length | Snout to Ins. 1st Dorsal | Snout to Ins. 2nd Dorsal | Snout to Ins. Anal | Snout to Ins. Ventral | Total Length | Head Length | Snout to Ins. 1st Dorsal | Snout to Ins. 2nd Dorsal | Snout to Ins. Anal | Snout to Ins. Ventral |
|--------------|-------------|--------------------------|--------------------------|--------------------|-----------------------|--------------|-------------|--------------------------|--------------------------|--------------------|-----------------------|
| 200          | 55          | 60                       | 128                      | 135                | 68                    | 296          | 83          | 95                       | 186                      | 200                | 94                    |
| 200          | 56          | 68                       | 127                      | 140                | 65                    | 298          | 80          | 88                       | 184                      | 200                | 90                    |
| 231          | 65          | 78                       | 138                      | 152                | 68                    | 298          | 80          | 98                       | 186                      | 198                | 94                    |
| 232          | 66          | 74                       | 136                      | 157                | 70                    | 298          | 83          | 100                      | 185                      | 200                | 90                    |
| 254          | 65          | 68                       | 144                      | 156                | 70                    | 300          | 80          | 92                       | 186                      | 198                | 90                    |
| 258          | 66          | 76                       | 146                      | 165                | 73                    | 300          | 80          | 92                       | 188                      | 195                | 88                    |
| 246          | 68          | 76                       | 146                      | 163                | 75                    | 300          | 80          | 96                       | 182                      | 202                | 90                    |
| 246          | 70          | 76                       | 155                      | 170                | 78                    | 300          | 84          | 100                      | 188                      | 200                | 95                    |
| 248          | 70          | 75                       | 152                      | 168                | 76                    | 300          | 85          | 95                       | 186                      | 200                | 95                    |
| 266          | 78          | 85                       | 164                      | 182                | 82                    | 300          | 85          | 98                       | 188                      | 208                | 95                    |
| 270          | 78          | 82                       | 166                      | 180                | 84                    | 303          | 75          | 96                       | 184                      | 195                | 95                    |
| 278          | 75          | 88                       | 168                      | 188                | 88                    | 304          | 85          | 100                      | 185                      | 205                | 100                   |
| 278          | 78          | 88                       | 172                      | 195                | 88                    | 305          | 84          | 100                      | 190                      | 200                | 95                    |
| 278          | 78          | 94                       | 172                      | 188                | 86                    | 310          | 82          | 95                       | 188                      | 210                | 98                    |
| 280          | 78          | 88                       | 168                      | 195                | 90                    | 310          | 83          | 88                       | 186                      | 205                | 95                    |
| 282          | 75          | 86                       | 172                      | 190                | 86                    | 310          | 85          | 96                       | 185                      | 205                | 90                    |
| 282          | 78          | 85                       | 170                      | 190                | 85                    | 310          | 86          | 100                      | 188                      | 205                | 98                    |
| 282          | 78          | 88                       | 172                      | 190                | 88                    | 312          | 83          | 96                       | 192                      | 210                | 98                    |
| 284          | 75          | 85                       | 168                      | 190                | 85                    | 315          | 85          | 100                      | 188                      | 208                | 95                    |
| 284          | 78          | 85                       | 173                      | 192                | 93                    | 315          | 86          | 94                       | 188                      | 210                | 95                    |
| 286          | 80          | 87                       | 172                      | 198                | 88                    | 315          | 88          | 105                      | 195                      | 210                | 100                   |
| 288          | 80          | 98                       | 180                      | 192                | 95                    | 456          | 120         | 140                      | 278                      | 306                | 142                   |
| 292          | 80          | 96                       | 182                      | 196                | 90                    | 465          | 126         | 142                      | 274                      | 300                | 145                   |
| 292          | 80          | 95                       | 186                      | 198                | 90                    | 465          | 128         | 145                      | 282                      | 305                | 145                   |
| 294          | 78          | 93                       | 184                      | 205                | 88                    | 466          | 125         | 142                      | 282                      | 298                | 140                   |
| 294          | 85          | 93                       | 178                      | 195                | 88                    | 478          | 122         | 140                      | 275                      | 328                | 148                   |
| 295          | 75          | 86                       | 175                      | 195                | 88                    | 500          | 132         | 148                      | 300                      | 330                | 146                   |
| 295          | 80          | 92                       | 174                      | 198                | 90                    | 525          | 150         | 168                      | 325                      | 368                | 170                   |
| 296          | 81          | 100                      | 186                      | 204                | 92                    | 528          | 146         | 166                      | 324                      | 367                | 168                   |
| 296          | 82          | 96                       | 186                      | 198                | 95                    |              |             |                          |                          |                    |                       |

\* From the Philippine Bureau of Fisheries

Table 88. Little tunny from the Northwestern Pacific  
Northeastern Panay Island, Philippines\*

| Total Length | Head Length | Snout to Ins. 1st Dorsal | Snout to Ins. 2nd Dorsal | Snout to Ins. Anal | Snout to Ins. Ventral | Total Length | Head Length | Snout to Ins. 1st Dorsal | Snout to Ins. 2nd Dorsal | Snout to Ins. Anal | Snout to Ins. Ventral |
|--------------|-------------|--------------------------|--------------------------|--------------------|-----------------------|--------------|-------------|--------------------------|--------------------------|--------------------|-----------------------|
| 555          | 148         | 175                      | 328                      | 365                | 165                   | 600          | 150         | 168                      | 335                      | 380                | 162                   |
| 560          | 135         | 165                      | 340                      | 360                | 148                   | 600          | 161         | 170                      | 350                      | 395                | 175                   |
| 560          | 145         | 162                      | 320                      | 370                | 162                   | 600          | 169         | 193                      | 362                      | 395                | 182                   |
| 562          | 150         | 178                      | 350                      | 372                | 160                   | 602          | 167         | 187                      | 355                      | 404                | 191                   |
| 565          | 148         | 155                      | 320                      | 365                | 165                   | 602          | 168         | 185                      | 356                      | 400                | 186                   |
| 570          | 145         | 170                      | 340                      | 373                | 163                   | 608          | 160         | 191                      | 358                      | 400                | 177                   |
| 573          | 145         | 175                      | 340                      | 371                | 163                   | 608          | 160         | 192                      | 370                      | 410                | 185                   |
| 575          | 147         | 175                      | 342                      | 370                | 162                   | 610          | 150         | 176                      | 365                      | 390                | 172                   |
| 578          | 150         | 165                      | 353                      | 380                | 165                   | 610          | 157         | 170                      | 345                      | 408                | 170                   |
| 580          | 145         | 170                      | 345                      | 380                | 165                   | 620          | 160         | 185                      | 370                      | 408                | 181                   |
| 585          | 155         | 170                      | 340                      | 385                | 165                   | 620          | 172         | 192                      | 367                      | 401                | 192                   |
| 587          | 155         | 180                      | 340                      | 385                | 178                   | 621          | 155         | 185                      | 370                      | 400                | 178                   |
| 587          | 162         | 180                      | 345                      | 397                | 187                   | 621          | 169         | 184                      | 362                      | 407                | 190                   |
| 590          | 151         | 180                      | 355                      | 372                | 160                   | 622          | 166         | 191                      | 361                      | 400                | 180                   |
| 590          | 155         | 182                      | 360                      | 395                | 168                   | 664          | 184         | 206                      | 398                      | 431                | 200                   |

Table 89. Little tunny from the Northwestern Pacific  
Batangas Province, Luzon, Philippines\*

|     |    |    |     |     |    |     |    |    |     |     |    |
|-----|----|----|-----|-----|----|-----|----|----|-----|-----|----|
| 225 | 63 | 69 | 135 | 155 | 69 | 259 | 70 | 82 | 157 | 180 | 78 |
| 228 | 61 | 68 | 136 | 148 | 67 | 260 | 69 | 80 | 158 | 170 | 78 |
| 230 | 62 | 70 | 138 | 157 | 72 | 260 | 70 | 81 | 158 | 176 | 78 |
| 236 | 67 | 71 | 142 | 162 | 75 | 260 | 70 | 82 | 166 | 177 | 78 |
| 236 | 67 | 76 | 153 | 163 | 82 | 261 | 71 | 75 | 156 | 176 | 82 |
| 242 | 66 | 75 | 144 | 168 | 75 | 261 | 72 | 82 | 158 | 171 | 80 |
| 245 | 66 | 80 | 147 | 170 | 75 | 263 | 72 | 82 | 158 | 177 | 81 |
| 245 | 68 | 76 | 148 | 165 | 75 | 263 | 72 | 83 | 159 | 178 | 79 |
| 246 | 66 | 77 | 146 | 162 | 72 | 263 | 73 | 83 | 157 | 181 | 83 |
| 247 | 68 | 76 | 153 | 163 | 77 | 264 | 71 | 79 | 158 | 178 | 81 |
| 253 | 67 | 77 | 152 | 173 | 78 | 264 | 72 | 82 | 160 | 180 | 82 |
| 255 | 72 |    | 150 | 173 | 79 | 265 | 70 | 82 | 157 | 182 | 82 |
| 257 | 69 | 80 | 154 | 173 | 79 | 265 | 71 | 80 | 158 | 177 | 78 |
| 258 | 68 | 71 | 148 | 172 | 85 | 265 | 73 | 81 | 160 | 180 | 82 |
| 259 | 70 | 79 | 152 | 175 | 81 | 265 | 75 | 85 | 163 | 178 | 86 |

\* From the Philippine Bureau of Fisheries

Table 89. Little tunny from the Northwestern Pacific:  
Batangas Province, Luzon, Philippines (Continued)

| Total Length | Head Length | Snout to Ins. 1st Dorsal | Snout to Ins. 2nd Dorsal | Snout to Ins. Anal | Snout to Ins. Ventral | Total Length | Head Length | Snout to Ins. 1st Dorsal | Snout to Ins. 2nd Dorsal | Snout to Ins. Anal | Snout to Ins. Ventral |
|--------------|-------------|--------------------------|--------------------------|--------------------|-----------------------|--------------|-------------|--------------------------|--------------------------|--------------------|-----------------------|
| 266          | 74          | 82                       | 159                      | 179                | 81                    | 354          | 99          | 105                      | 209                      | 236                | 109                   |
| 267          | 71          | 81                       | 158                      | 177                | 81                    | 355          | 92          | 110                      | 211                      | 242                | 111                   |
| 267          | 72          | 81                       | 159                      | 176                | 82                    | 355          | 96          | 110                      | 211                      | 234                | 110                   |
| 267          | 72          | 82                       | 160                      | 176                | 80                    | 355          | 96          | 110                      | 212                      | 233                | 112                   |
| 268          | 71          | 81                       | 157                      | 178                | 80                    | 355          | 97          | 109                      | 215                      | 232                | 115                   |
| 268          | 72          | 83                       | 162                      | 178                | 82                    | 356          | 95          | 107                      | 214                      | 236                | 108                   |
| 268          | 73          | 84                       | 163                      | 178                | 81                    | 356          | 97          | 106                      | 215                      | 234                | 110                   |
| 269          | 76          | 83                       | 166                      | 184                | 90                    | 357          | 95          | 109                      | 219                      | 233                | 112                   |
| 270          | 76          | 86                       | 165                      | 182                | 86                    | 360          | 98          | 102                      | 215                      | 236                | 113                   |
| 272          | 73          | 82                       | 162                      | 179                | 81                    | 362          | 100         | 111                      | 221                      | 245                | 115                   |
| 272          | 78          | 88                       | 171                      | 188                | 90                    | 362          | 103         | 115                      | 219                      | 239                | 116                   |
| 273          | 78          | 84                       | 164                      | 183                | 85                    | 363          | 98          | 109                      | 216                      | 246                | 115                   |
| 273          | 78          | 88                       | 168                      | 188                | 89                    | 363          | 100         | 110                      | 215                      | 248                | 112                   |
| 274          | 75          | 85                       | 171                      | 188                | 85                    | 387          | 110         | 119                      | 233                      | 260                | 123                   |
| 274          | 77          | 83                       | 166                      | 184                | 86                    | 397          | 109         | 119                      | 233                      | 268                | 125                   |
| 275          | 78          | 83                       | 174                      | 188                | 85                    | 407          | 116         | 125                      | 239                      | 266                | 127                   |
| 276          | 75          | 87                       | 164                      | 184                | 87                    | 408          | 110         | 123                      | 241                      | 268                | 123                   |
| 278          | 75          | 87                       | 170                      | 187                | 86                    | 421          | 115         | 129                      | 254                      | 278                | 128                   |
| 278          | 78          | 84                       | 164                      | 191                | 90                    | 425          | 117         | 133                      | 258                      | 280                | 133                   |
| 278          | 78          | 90                       | 175                      | 188                | 85                    | 428          | 124         | 140                      | 261                      | 289                | 137                   |
| 281          | 77          | 88                       | 169                      | 187                | 94                    | 432          | 120         | 138                      | 263                      | 291                | 136                   |
| 283          | 76          | 85                       | 173                      | 189                | 83                    | 450          | 127         | 140                      | 268                      | 300                | 141                   |
| 283          | 79          | 90                       | 171                      | 187                | 87                    | 452          | 124         | 147                      | 273                      | 299                | 138                   |
| 284          | 78          | 90                       | 174                      | 193                | 86                    | 453          | 128         | 144                      | 271                      | 303                | 142                   |
| 285          | 75          | 87                       | 172                      | 195                | 90                    | 460          | 129         | 137                      | 274                      | 303                | 143                   |
| 287          | 80          | 91                       | 178                      | 192                | 90                    | 460          | 130         | 141                      | 275                      | 310                | 144                   |
| 288          | 75          | 88                       | 176                      | 196                | 87                    | 461          | 125         | 144                      | 276                      | 297                | 138                   |
| 288          | 78          | 90                       | 173                      | 195                | 89                    | 462          | 132         | 145                      | 272                      | 309                | 146                   |
| 288          | 78          | 90                       | 174                      | 183                | 83                    | 463          | 128         | 142                      | 280                      | 307                | 140                   |
| 288          | 79          | 91                       | 175                      | 195                | 90                    | 464          | 130         | 147                      | 280                      | 312                | 145                   |
| 293          | 83          | 90                       | 178                      | 201                | 96                    | 465          | 130         | 140                      | 276                      | 312                | 145                   |
| 297          | 84          | 95                       | 184                      | 200                | 94                    | 467          | 127         | 143                      | 278                      | 304                | 145                   |
| 340          | 96          | 105                      | 203                      | 225                | 109                   | 467          | 129         | 138                      | 279                      | 315                | 142                   |
| 349          | 93          | 102                      | 207                      | 231                | 110                   | 469          | 132         | 147                      | 281                      | 313                | 148                   |
| 352          | 97          | 108                      | 211                      | 228                | 107                   | 470          | 130         | 142                      | 281                      | 312                | 144                   |



Table 89 Little tunny from the Northwestern Pacific  
Batangas Province, Luzon, Philippines (Continued)

| Total Length | Head Length | Snout to Ins. 1st Dorsal | Snout to Ins. 2nd Dorsal | Snout to Ins. Anal | Snout to Ins. Ventral | Total Length | Head Length | Snout to Ins. 1st Dorsal | Snout to Ins. 2nd Dorsal | Snout to Ins. Anal | Snout to Ins. Ventral |
|--------------|-------------|--------------------------|--------------------------|--------------------|-----------------------|--------------|-------------|--------------------------|--------------------------|--------------------|-----------------------|
| 470          | 131         | 146                      | 284                      | 311                | 144                   | 491          | 139         | 151                      | 300                      | 321                | 153                   |
| 470          | 132         | 148                      | 290                      | 319                | 150                   | 493          | 133         | 148                      | 291                      | 318                | 148                   |
| 472          | 128         | 145                      | 277                      | 317                | 150                   | 493          | 135         | 150                      | 295                      | 331                | 155                   |
| 474          | 133         | 150                      | 288                      | 308                | 145                   | 494          | 137         | 148                      | 293                      | 323                | 147                   |
| 475          | 133         | 147                      | 288                      | 308                | 145                   | 496          | 134         | 153                      | 298                      | 333                | 153                   |
| 475          | 140         | 150                      | 279                      | 319                | 148                   | 496          | 140         | 157                      | 307                      | 339                | 154                   |
| 476          | 132         | 148                      | 291                      | 320                | 148                   | 497          | 135         | 147                      | 290                      | 321                | 150                   |
| 477          | 133         | 148                      | 287                      | 316                | 145                   | 497          | 137         | 158                      | 296                      | 327                | 153                   |
| 477          | 134         | 149                      | 291                      | 318                | 148                   | 497          | 140         | 150                      | 300                      | 341                | 155                   |
| 477          | 136         | 156                      | 296                      | 319                | 145                   | 500          | 131         | 149                      | 291                      | 324                | 148                   |
| 478          | 132         | 149                      | 288                      | 320                | 151                   | 501          | 139         | 157                      | 301                      | 330                | 154                   |
| 478          | 137         | 148                      | 288                      | 321                | 154                   | 503          | 136         | 154                      | 297                      | 327                | 155                   |
| 478          | 139         | 148                      | 288                      | 323                | 156                   | 503          | 137         | 158                      | 298                      | 321                | 153                   |
| 479          | 130         | 148                      | 291                      | 324                | 151                   | 503          | 140         | 159                      | 300                      | 328                | 153                   |
| 479          | 134         | 148                      | 287                      | 311                | 145                   | 503          | 141         | 157                      | 302                      | 330                | 154                   |
| 482          | 135         | 152                      | 295                      | 316                | 144                   | 504          | 133         | 148                      | 290                      | 322                | 148                   |
| 484          | 135         | 146                      | 288                      | 322                | 150                   | 504          | 138         | 156                      | 301                      | 327                | 156                   |
| 485          | 137         | 151                      | 295                      | 323                | 158                   | 504          | 139         | 152                      | 295                      | 330                | 152                   |
| 485          | 138         | 152                      | 288                      | 324                | 155                   | 505          | 139         | 155                      | 305                      | 337                | 156                   |
| 486          | 134         | 153                      | 295                      | 320                | 152                   | 506          | 145         | 154                      | 310                      | 341                | 155                   |
| 487          | 134         | 142                      | 284                      | 320                | 148                   | 507          | 134         | 149                      | 296                      | 323                | 153                   |
| 487          | 136         | 154                      | 289                      | 327                | 153                   | 507          | 144         | 158                      | 305                      | 340                | 160                   |
| 487          | 137         | 150                      | 291                      | 333                | 158                   | 508          | 137         | 150                      | 300                      | 338                | 153                   |
| 487          | 137         | 152                      | 297                      | 318                | 151                   | 508          | 142         | 161                      | 300                      | 337                | 157                   |
| 487          | 142         | 152                      | 295                      | 328                | 156                   | 512          | 138         | 157                      | 310                      | 336                | 154                   |
| 488          | 135         | 150                      | 292                      | 327                | 161                   | 512          | 146         | 161                      | 312                      | 338                | 160                   |
| 489          | 131         | 146                      | 284                      | 323                | 147                   | 513          | 143         | 154                      | 311                      | 341                | 158                   |
| 489          | 135         | 151                      | 291                      | 326                | 151                   | 513          | 146         | 164                      | 318                      | 345                | 159                   |
| 489          | 136         | 146                      | 290                      | 320                | 150                   | 514          | 141         | 161                      | 301                      | 340                | 157                   |
| 489          | 139         | 155                      | 297                      | 322                | 147                   | 514          | 145         | 160                      | 311                      | 344                | 165                   |
| 489          | 142         | 156                      | 299                      | 326                | 153                   | 515          | 141         | 151                      | 302                      | 340                | 157                   |
| 490          | 133         | 146                      | 293                      | 326                | 149                   | 515          | 147         | 160                      | 311                      | 353                | 167                   |
| 490          | 140         | 152                      | 291                      | 329                | 152                   | 516          | 141         | 155                      | 307                      | 339                | 161                   |
| 490          | 140         | 152                      | 299                      | 339                | 152                   | 517          | 141         | 151                      | 308                      | 340                | 157                   |
| 491          | 137         | 152                      | 284                      | 315                | 142                   | 518          | 141         | 156                      | 305                      | 350                | 156                   |

Table 89. Little tunny from the Northwestern Pacific.  
Batangas Province, Luzon, Philippines (Continued)

| Total Length | Head Length | Snout to Ins. 1st Dorsal | Snout to Ins. 2nd Dorsal | Snout to Ins. Anal | Snout to Ins. Ventral | Total Length | Head Length | Snout to Ins. 1st Dorsal | Snout to Ins. 2nd Dorsal | Snout to Ins. Anal | Snout to Ins. Ventral |
|--------------|-------------|--------------------------|--------------------------|--------------------|-----------------------|--------------|-------------|--------------------------|--------------------------|--------------------|-----------------------|
| 518          | 142         | 159                      | 301                      | 333                | 159                   | 545          | 150         | 164                      | 320                      | 363                | 164                   |
| 518          | 142         | 160                      | 304                      | 345                | 156                   | 549          | 149         | 165                      | 320                      | 360                | 168                   |
| 518          | 143         | 164                      | 316                      | 346                | 161                   | 550          | 146         | 161                      | 325                      | 359                | 164                   |
| 520          | 143         | 157                      | 305                      | 340                | 155                   | 550          | 151         | 165                      | 322                      | 362                | 169                   |
| 521          | 140         | 160                      | 309                      | 341                | 155                   | 550          | 151         | 171                      | 321                      | 354                | 171                   |
| 521          | 140         | 167                      | 314                      | 343                | 157                   | 551          | 155         | 177                      | 336                      | 375                | 169                   |
| 521          | 143         | 162                      | 306                      | 332                | 148                   | 553          | 152         | 169                      | 328                      | 365                | 167                   |
| 521          | 144         | 163                      | 311                      | 344                | 159                   | 553          | 153         | 171                      | 330                      | 370                | 167                   |
| 522          | 144         | 159                      | 307                      | 347                | 160                   | 553          | 153         | 173                      | 335                      | 371                | 168                   |
| 522          | 147         | 164                      | 310                      | 340                | 163                   | 555          | 148         | 170                      | 330                      | 369                | 170                   |
| 524          | 141         | 161                      | 310                      | 350                | 163                   | 555          | 149         | 169                      | 334                      | 366                | 172                   |
| 524          | 147         | 158                      | 312                      | 348                | 162                   | 559          | 153         | 170                      | 330                      | 371                | 181                   |
| 526          | 146         | 164                      | 316                      | 347                | 161                   | 559          | 154         | 164                      | 326                      | 363                | 168                   |
| 526          | 149         | 163                      | 317                      | 351                | 164                   | 560          | 155         | 172                      | 329                      | 370                | 170                   |
| 528          | 150         | 162                      | 318                      | 357                | 166                   | 562          | 160         | 172                      | 340                      | 372                | 175                   |
| 534          | 144         | 164                      | 316                      | 346                | 161                   | 564          | 148         | 171                      | 327                      | 369                | 167                   |
| 534          | 147         | 163                      | 315                      | 352                | 168                   | 566          | 148         | 172                      | 350                      | 363                | 172                   |
| 535          | 147         | 166                      | 321                      | 360                | 161                   | 569          | 148         | 167                      | 334                      | 372                | 172                   |
| 536          | 146         | 165                      | 319                      | 359                | 160                   | 572          | 157         | 178                      | 341                      | 385                | 177                   |
| 536          | 151         | 163                      | 312                      | 347                | 161                   | 591          | 166         | 180                      | 350                      | 389                | 187                   |
| 540          | 145         | 163                      | 314                      | 356                | 164                   | 602          | 162         | 181                      | 359                      | 394                | 180                   |
| 540          | 148         | 163                      | 324                      | 359                | 165                   | 612          | 163         | 186                      | 361                      | 406                | 179                   |
| 542          | 143         | 163                      | 321                      | 351                | 164                   |              |             |                          |                          |                    |                       |

Table 90. Little tunny from the Northwestern Pacific. Ragay Gulf, Bicol Peninsula, Luzon, Philippines\*

|     |    |     |     |     |     |     |     |     |     |     |     |
|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 290 | 81 | 92  | 184 | 195 | 91  | 328 | 93  | 101 | 202 | 228 | 103 |
| 300 | 84 | 97  | 184 | 202 | 96  | 331 | 92  | 105 | 203 | 224 | 104 |
| 302 | 85 | 94  | 186 | 203 | 96  | 335 | 94  | 105 | 202 | 223 | 108 |
| 321 | 90 | 100 | 198 | 218 | 100 | 337 | 94  | 105 | 206 | 231 | 108 |
| 321 | 92 | 100 | 197 | 222 | 105 | 337 | 95  | 107 | 205 | 225 | 107 |
| 322 | 91 | 100 | 198 | 221 | 102 | 503 | 136 | 144 | 285 | 331 | 154 |
| 323 | 91 | 100 | 196 | 222 | 100 | 531 | 143 | 167 | 314 | 348 | 157 |
| 327 | 93 | 102 | 200 | 223 | 108 | 543 | 150 | 168 | 317 | 358 | 167 |
| 328 | 92 | 99  | 202 | 224 | 104 | 544 | 149 | 167 | 325 | 364 | 166 |
| 328 | 93 | 100 | 198 | 222 | 104 | 546 | 153 | 171 | 333 | 360 | 171 |

\*From the Philippine Bureau of Fisheries

Table 90 Little tunny from the Northwestern Pacific, Ragay Gulf, Bicol Peninsula, Luzon, Philippines (Continued)

| Total Length | Head Length | Snout to Ins. 1st Dorsal | Snout to Ins. 2nd Dorsal | Snout to Ins. Anal | Snout to Ins. Ventral | Total Length | Head Length | Snout to Ins. 1st Dorsal | Snout to Ins. 2nd Dorsal | Snout to Ins. Anal | Snout to Ins. Ventral |
|--------------|-------------|--------------------------|--------------------------|--------------------|-----------------------|--------------|-------------|--------------------------|--------------------------|--------------------|-----------------------|
| 547          | 148         | 164                      | 323                      | 363                | 168                   | 567          | 156         | 173                      | 325                      | 374                | 174                   |
| 547          | 152         | 171                      | 317                      | 365                | 168                   | 568          | 155         | 176                      | 341                      | 375                | 167                   |
| 548          | 151         | 175                      | 328                      | 357                | 158                   | 569          | 152         | 174                      | 332                      | 372                | 172                   |
| 552          | 157         | 169                      | 330                      | 375                | 173                   | 570          | 159         | 178                      | 343                      | 380                | 175                   |
| 553          | 152         | 169                      | 326                      | 359                | 173                   | 573          | 161         | 175                      | 342                      | 382                | 176                   |
| 558          | 148         | 168                      | 332                      | 363                | 167                   | 586          | 159         | 179                      | 343                      | 398                | 180                   |
| 562          | 159         | 179                      | 345                      | 383                | 174                   | 595          | 166         | 183                      | 357                      | 402                | 181                   |
| 565          | 156         | 174                      | 337                      | 380                | 174                   |              |             |                          |                          |                    |                       |

Table 91. Little tunny from the Northwestern Pacific: Southeastern Luzon, Philippines\*

|     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 324 | 91  | 105 | 197 | 218 | 107 | 456 | 126 | 143 | 277 | 297 | 140 |
| 324 | 92  | 103 | 197 | 218 | 107 | 457 | 122 | 138 | 270 | 301 | 141 |
| 327 | 89  | 104 | 198 | 222 | 104 | 457 | 128 | 145 | 275 | 301 | 141 |
| 338 | 95  | 111 | 207 | 228 | 108 | 459 | 123 | 147 | 281 | 293 | 139 |
| 338 | 105 | 105 | 206 | 224 | 108 | 461 | 130 | 152 | 274 | 305 | 146 |
| 383 | 106 | 120 | 228 | 252 | 119 | 462 | 129 | 145 | 271 | 305 | 144 |
| 391 | 108 | 124 | 234 | 259 | 122 | 464 | 125 | 145 | 284 | 310 | 139 |
| 403 | 113 | 125 | 238 | 262 | 125 | 464 | 130 | 144 | 281 | 312 | 146 |
| 404 | 115 | 127 | 248 | 273 | 129 | 469 | 128 | 146 | 282 | 306 | 146 |
| 431 | 124 | 143 | 259 | 286 | 137 | 474 | 131 | 144 | 275 |     |     |
| 440 | 122 | 133 | 264 | 295 | 144 | 476 | 126 | 145 | 285 | 314 | 142 |
| 444 | 121 | 144 | 266 | 292 | 126 | 478 | 129 | 146 | 278 | 311 | 151 |
| 445 | 121 | 139 | 263 | 293 | 138 | 480 | 137 | 154 | 288 | 324 | 149 |
| 447 | 121 | 137 | 268 | 297 | 145 | 482 | 128 | 142 | 281 | 314 | 146 |
| 447 | 125 | 146 | 273 | 301 | 143 | 482 | 128 | 147 | 287 | 316 | 145 |
| 447 | 126 | 146 | 270 | 288 | 143 | 483 | 130 | 146 | 290 | 314 | 143 |
| 449 | 124 | 142 | 266 | 301 | 141 | 484 | 129 | 149 | 288 | 322 | 145 |
| 449 | 125 | 142 | 268 | 298 | 139 | 485 | 130 | 142 | 288 | 313 | 145 |
| 450 | 124 | 139 |     |     |     | 485 | 131 | 143 | 286 | 324 | 148 |
| 450 | 125 | 137 | 269 | 298 | 139 | 485 | 132 | 147 | 290 | 319 | 154 |
| 450 | 128 | 139 | 265 | 295 | 141 | 487 | 131 | 139 | 289 | 316 | 149 |
| 451 | 125 | 141 | 269 | 300 | 145 | 491 | 129 | 147 | 287 | 314 | 144 |
| 455 | 123 | 146 | 271 | 298 | 142 | 492 | 131 | 150 | 297 | 323 | 147 |
| 455 | 126 | 141 | 266 | 301 | 142 | 495 | 128 | 150 | 297 | 327 | 145 |
| 456 | 122 | 141 | 266 | 295 | 139 | 495 | 137 | 156 | 304 | 337 | 154 |

\*From the Philippine Bureau of Fisheries

Table 91. Little tunny from the Northwestern Pacific:  
Southeastern Luzon, Philippines (Continued)

| Total Length | Head Length | Snout to Ins. 1st Dorsal | Snout to Ins. 2nd Dorsal | Snout to Ins. Anal | Snout to Ins. Ventral | Total Length | Head Length | Snout to Ins. 1st Dorsal | Snout to Ins. 2nd Dorsal | Snout to Ins. Anal | Snout to Ins. Ventral |
|--------------|-------------|--------------------------|--------------------------|--------------------|-----------------------|--------------|-------------|--------------------------|--------------------------|--------------------|-----------------------|
| 496          | 133         | 152                      | 294                      | 316                | 154                   | 507          | 137         | 158                      | 297                      | 334                | 156                   |
| 498          | 140         | 157                      | 298                      | 340                | 152                   | 508          | 140         | 155                      | 308                      | 339                | 155                   |
| 498          | 142         | 156                      | 302                      | 343                | 157                   | 509          | 142         | 159                      | 306                      | 330                | 160                   |
| 499          | 130         | 150                      | 292                      | 320                | 144                   | 514          | 142         | 164                      | 310                      | 336                | 161                   |
| 499          | 139         | 160                      | 302                      | 331                | 158                   | 514          | 146         | 161                      | 308                      | 339                | 157                   |
| 500          | 134         | 145                      | 302                      | 325                | 149                   | 518          | 143         | 162                      | 314                      | 345                | 161                   |
| 501          | 130         | 150                      | 295                      | 327                | 144                   | 523          | 144         | 165                      | 308                      | 343                | 162                   |
| 505          | 145         | 165                      | 312                      | 346                | 159                   | 534          | 147         | 167                      | 319                      | 351                | 163                   |
| 507          | 136         | 157                      | 306                      | 328                | 155                   |              |             |                          |                          |                    |                       |

Table 92. Little tunny from the Northwestern Pacific:  
South Sulu Sea, Philippines\*

|     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 322 | 93  | 100 | 198 | 218 | 102 | 476 | 134 | 145 | 291 | 319 | 158 |
| 334 | 95  | 107 | 208 | 220 | 103 | 476 | 134 | 151 | 292 | 318 | 154 |
| 404 | 118 | 128 | 246 | 273 | 135 | 477 | 134 | 148 | 290 | 316 | 152 |
| 440 | 126 | 138 | 260 | 294 | 144 | 485 | 141 | 156 | 298 | 334 | 161 |
| 443 | 130 | 142 | 270 | 303 | 152 | 500 | 140 | 154 | 297 | 329 | 167 |
| 447 | 128 | 140 | 264 | 292 | 145 | 504 | 139 | 156 | 300 | 331 | 159 |
| 450 | 124 | 141 | 268 | 293 | 147 | 524 | 144 | 163 | 311 | 345 | 168 |
| 456 | 131 | 145 | 280 | 314 | 160 | 528 | 146 | 156 | 309 | 350 | 176 |
| 470 | 130 | 140 | 286 | 320 | 166 | 530 | 148 | 161 | 309 | 348 | 170 |
| 474 | 132 | 147 | 280 | 314 | 160 | 537 | 147 | 168 | 324 | 352 | 170 |
| 475 | 137 | 149 | 282 | 309 | 155 |     |     |     |     |     |     |

\*From the Philippine Bureau of Fisheries

Table 93. Dog-toothed tuna from the Western Equatorial Pacific. Western Marshalls

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Edge Vent | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|-----------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 520          | 4.5    | 132         | 147                         | 268                         | 318                   | 147                      |                                   | 109                    | 89              | 55                | 53          | 26            |                 | m   | */47           | Tr   | JCM      |
| 536          | 4.5    | 140         | 157                         | 298                         | 336                   | 159                      |                                   | 121                    | 103             | 58                | 60          | 32            |                 | m   | */47           | Tr   | JCM      |
| 541          | 3.5    | 142         | 161                         | 301                         | 341                   | 153                      |                                   | 107                    | 104             | 63                | 58          | 32            |                 | f   | */47           | Tr   | JCM      |
| 544          | 5      | 146         | 160                         | 298                         | 343                   | 158                      |                                   | 117                    | 108             | 62                | 61          | 32            |                 | f   | */47           | Tr   | JCM      |
| 546          | 5      | 141         | 156                         | 299                         | 347                   | 157                      |                                   | 122                    | 100             | 59                | 53          | 31            |                 | m   | */47           | Tr   | JCM      |
| 556          | 5.5    | 147         | 161                         | 313                         | 354                   | 107                      |                                   | 124                    | 97              | 59                | 57          | 31            |                 | m   | */47           | Tr   | JCM      |
| 561          | 5.5    | 145         | 165                         | 315                         | 359                   | 163                      |                                   | 134                    | 100             | 56                | 60          | 33            |                 |     | */47           | Tr   | JCM      |
| 565          | 5.5    | 150         | 166                         | 310                         | 355                   | 165                      |                                   | 122                    | 101             | 60                | 58          | 32            |                 | f   | */47           | Tr   | JCM      |
| 571          | 6      | 150         | 164                         | 318                         | 365                   | 170                      |                                   | 120                    | 112             | 64                | 64          | 33            |                 |     | */47           | Tr   | JCM      |
| 578          | 6      | 152         | 172                         | 325                         | 372                   | 170                      |                                   | 125                    | 108             | 60                | 64          | 33            |                 |     | */47           | Tr   | JCM      |
| 581          | 6.5    | 152         | 170                         | 324                         | 369                   | 170                      |                                   | 141                    | 107             | 59                | 58          | 31            |                 |     | */47           | Tr   | JCM      |
| 586          | 6.5    | 153         |                             | 322                         | 368                   | 178                      |                                   | 132                    | 109             | 65                | 65          | 33            |                 |     | */47           | Tr   | JCM      |
| 587          | 5.5    | 148         | 110                         | 326                         | 370                   | 107                      |                                   | 123                    | 107             | 58                | 60          | 32            |                 | m   | */47           | Tr   | JCM      |
| 591          | 6      | 151         | 174                         | 328                         | 369                   | 170                      |                                   | 137                    | 113             | 66                | 65          | 33            |                 |     | */47           | Tr   | JCM      |
| 595          | 6      | 151         | 177                         | 329                         | 376                   | 169                      |                                   | 137                    | 112             | 61                | 64          | 33            |                 |     | */47           | Tr   | JCM      |
| 598          | 7      | 158         | 173                         | 336                         | 377                   | 175                      |                                   | 135                    | 109             | 69                | 67          | 31            |                 | m   | */47           | Tr   | JCM      |
| 599          | 6.5    | 153         | 170                         | 325                         | 374                   | 169                      |                                   | 141                    | 104             | 62                | 62          | 33            |                 |     | */47           | Tr   | JCM      |
| 603          | 6.5    | 160         | 176                         | 336                         | 375                   | 176                      |                                   | 136                    | 111             | 62                | 62          | 32            |                 |     | */47           | Tr   | JCM      |
| 605          | 7      | 159         | 177                         | 335                         | 381                   | 177                      |                                   | 126                    | 114             | 64                | 62          | 32            |                 | f   | */47           | Tr   | JCM      |
| 606          | 7      | 153         | 171                         | 331                         | 381                   | 177                      |                                   | 137                    | 112             | 61                | 69          | 33            |                 |     | */47           | Tr   | JCM      |
| 608          | 7      | 151         | 175                         | 332                         | 374                   | 164                      |                                   | 132                    | 111             | 63                | 60          | 31            |                 |     | */47           | Tr   | JCM      |
| 612          | 7      | 158         | 171                         | 340                         | 386                   | 176                      |                                   | 133                    | 111             | 64                | 62          | 31            |                 |     | */47           | Tr   | JCM      |
| 613          | 7      | 159         | 178                         | 337                         | 375                   | 174                      |                                   | 136                    | 109             | 65                | 66          | 32            |                 | m   | */47           | Tr   | JCM      |
| 616          | 7.5    | 158         | 178                         | 341                         | 379                   | 179                      |                                   | 145                    | 109             | 61                | 63          | 32            |                 |     | */47           | Tr   | JCM      |
| 618          | 7      | 157         | 175                         | 336                         | 379                   | 175                      |                                   | 130                    | 112             | 63                | 65          | 33            |                 | m   | */47           | Tr   | JCM      |
| 630          | 8.5    | 169         | 183                         | 352                         | 396                   | 188                      |                                   | 145                    | 121             | 69                | 68          | 32            |                 | m   | */47           | Tr   | JCM      |
| 639          | 8.5    | 165         | 183                         | 355                         | 400                   | 183                      |                                   | 142                    | 110             | 64                | 64          | 31            |                 | m   | */47           | Tr   | JCM      |
| 645          | 9      | 171         | 193                         | 362                         | 414                   | 186                      |                                   | 151                    | 118             | 68                | 67          | 33            |                 |     | */47           | Tr   | JCM      |
| 649          | 9      | 169         | 189                         | 360                         | 409                   | 191                      |                                   | 148                    | 119             | 75                | 74          | 32            |                 |     | */47           | Tr   | JCM      |
| 655          | 9      | 170         | 189                         | 367                         | 414                   | 192                      |                                   | 153                    | 122             | 73                | 73          | 33            |                 | m   | */47           | Tr   | JCM      |

\* From July 19 to August 26

Table 93. Dog-toothed tuna from the Western Equatorial Pacific: Western Marshalls (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Edge Vent | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|-----------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 656          | 10     | 172         | 191                         | 330                         | 411                   | 195                      |                                   | 153                    | 117             | 69                | 69          | 33            |                 | f   | * /47          | Tr   | JCM      |
| 657          |        | 171         | 191                         | 365                         | 421                   | 191                      |                                   | 135                    | 119             | 73                | 73          | 33            |                 |     | * /47          | Tr   | JCM      |
| 659          | 6.5    | 170         | 189                         | 365                         | 417                   | 193                      |                                   | 149                    | 115             | 78                | 74          | 34            |                 | f   | * /47          | Tr   | JCM      |
| 660          | 9      | 109         | 190                         | 362                         | 407                   | 190                      |                                   | 156                    | 116             | 70                | 72          | 34            |                 | f   | * /47          | Tr   | JCM      |
| 662          | 10     | 172         | 188                         | 370                         | 412                   | 190                      |                                   | 145                    | 124             | 72                | 75          | 32            |                 | f   | * /47          | Tr   | JCM      |
| 673          | 10.5   | 167         | 195                         | 372                         | 423                   | 188                      |                                   | 170                    | 115             | 72                | 70          | 39            |                 |     | * /47          | Tr   | JCM      |
| 675          | 10.5   | 174         | 197                         | 379                         | 426                   | 192                      |                                   | 145                    | 120             | 76                | 74          | 32            |                 | m   | * /47          | Tr   | JCM      |
| 680          | 11     | 170         | 197                         | 360                         | 422                   | 194                      |                                   | 150                    | 124             | 75                | 79          | 33            |                 | f   | * /47          | Tr   | JCM      |
| 683          | 10.5   | 172         | 195                         | 373                         | 423                   | 189                      |                                   | 164                    | 119             | 70                | 71          | 32            |                 |     | * /47          | Tr   | JCM      |
| 684          | 11     | 178         | 202                         | 386                         | 428                   | 198                      |                                   |                        | 118             | 73                | 72          | 33            |                 | f   | * /47          | Tr   | JCM      |
| 689          | 10.5   | 175         | 196                         | 382                         | 427                   | 193                      |                                   | 158                    | 126             | 73                | 69          | 32            |                 |     | * /47          | Tr   | JCM      |
| 694          | 11     | 188         | 207                         | 386                         | 445                   | 208                      |                                   | 158                    | 124             | 70                | 72          | 33            |                 |     | * /47          | Tr   | JCM      |
| 698          | 10     | 177         | 196                         | 381                         | 435                   | 200                      |                                   | 145                    | 135             | 78                | 77          | 33            |                 | f   | * /47          | Tr   | JCM      |
| 704          | 12     | 186         | 204                         | 395                         | 472                   | 207                      |                                   | 165                    | 132             | 74                | 76          | 34            |                 | m   | * /47          | Tr   | JCM      |
| 710          | 12.5   | 180         | 203                         | 395                         | 444                   | 209                      |                                   | 162                    | 126             | 77                | 75          | 33            |                 | f   | * /47          | Tr   | JCM      |
| 714          | 12.5   | 180         | 200                         | 398                         | 443                   | 200                      |                                   | 161                    | 128             | 79                | 78          | 32            |                 | m   | * /47          | Tr   | JCM      |
| 718          | 13     | 181         | 204                         | 395                         | 446                   | 202                      |                                   | 168                    | 128             | 79                | 79          | 32            |                 |     | * /47          | Tr   | JCM      |
| 720          | 12     | 186         | 209                         | 400                         | 450                   | 205                      |                                   | 150                    | 133             | 78                | 81          | 35            |                 |     | * /47          | Tr   | JCM      |
| 726          | 12     | 181         | 206                         | 398                         | 454                   | 205                      |                                   | 160                    | 129             | 76                | 72          | 32            |                 | m   | * /47          | Tr   | JCM      |
| 731          | 12     | 182         | 207                         | 402                         | 461                   | 204                      |                                   | 160                    | 129             | 75                | 73          | 37            |                 | m   | * /47          | Tr   | JCM      |
| 751          | 15.3   | 190         | 222                         | 420                         | 468                   | 212                      |                                   | 185                    | 129             | 70                | 73          | 33            |                 |     | * /47          | Tr   | JCM      |
| 754          | 14.5   | 192         | 215                         | 408                         | 472                   | 216                      |                                   | 135                    | 141             | 85                | 79          | 33            |                 | f   | * /47          | Tr   | JCM      |
| 758          | 15     | 192         | 220                         | 427                         | 476                   | 221                      |                                   | 167                    | 132             | 85                | 85          | 33            |                 |     | * /47          | Tr   | JCM      |
| 764          | 14.5   | 197         | 221                         | 424                         | 483                   | 222                      |                                   | 171                    | 138             | 83                | 79          | 33            |                 | f   | * /47          | Tr   | JCM      |
| 782          | 15     | 201         | 227                         | 434                         | 493                   | 223                      |                                   | 173                    | 143             | 79                | 78          | 36            |                 |     | * /47          | Tr   | JCM      |
| 786          | 18     | 208         | 231                         | 437                         | 502                   | 236                      |                                   | 180                    | 142             | 85                | 86          | 44            |                 |     | * /47          | Tr   | JCM      |
| 789          | 11     | 175         | 133                         | 375                         | 431                   | 197                      |                                   | 168                    | 117             | 65                | 63          | 34            |                 |     | * /47          | Tr   | JCM      |
| 791          | 15.5   | 208         | 235                         | 449                         | 513                   | 219                      |                                   | 192                    | 139             | 84                | 84          | 41            |                 |     | * /47          | Tr   | JCM      |
| 823          | 19.5   | 217         | 249                         | 459                         | 520                   | 242                      |                                   | 202                    | 150             | 92                | 92          | 43            |                 |     | * /47          | Tr   | JCM      |
| 852          | 20     | 224         | 258                         | 484                         | 546                   | 251                      |                                   | 177                    | 153             | 89                | 90          | 43            |                 | f   | * /47          | Tr   | JCM      |
| 870          | 22.5   | 230         | 257                         | 491                         | 556                   | 252                      |                                   | 200                    | 145             | 93                | 92          | 39            |                 | f   | * /47          | Tr   | JCM      |
| 972          | 29.5   | 248         | 279                         | 550                         | 627                   | 275                      |                                   | 212                    | 161             | 100               | 102         | 39            |                 | f   | * /47          | Tr   | JCM      |
| 1021         |        | 263         | 306                         | 586                         | 671                   | 301                      |                                   | 231                    | 178             | 107               | 105         | 44            |                 | f   | * /47          | Tr   | JCM      |
| 1079         | 41     | 277         | 319                         | 611                         | 692                   | 321                      |                                   | 244                    | 208             | 113               | 112         | 43            |                 | f   | * /47          | Tr   | JCM      |

\*From July 19 to August 26

Table 94. Dog-toothed tuna from the Western Equatorial Pacific: Eastern Carolines

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Edge Vent | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|-----------------------------------|------------------------|-----------------|-------------------|-------------|---------------|----------------|-----|----------------|------|----------|
| 700          | 11     | 182         | 204                         | 390                         | 427                   | 197                      |                                   | 156                    | 120             | 71                | 71          | 31            | 24/10          | ♀   | 2/48           | Tr   | ORS      |

Table 95. Dog-toothed tuna from the Northwestern Pacific: Japan

|      |    |     |     |     |     |     |  |     |     |     |     |    |      |  |      |    |     |
|------|----|-----|-----|-----|-----|-----|--|-----|-----|-----|-----|----|------|--|------|----|-----|
| 1026 | 38 | 254 | 286 | 565 | 660 | 283 |  | 230 | 174 | 112 | 114 | 39 | 2/10 |  | 5/49 | Tr | BMS |
| 1035 | 38 | 270 | 304 | 580 | 673 | 303 |  | 257 | 175 | 112 | 111 | 41 | 1/9  |  | 5/49 | Tr | BMS |

Table 96. Dog-toothed tuna from the Northwestern Pacific: South Sulu Sea, Philippines\*

| Total Length | Head Length | Snout to Ins. 1st Dorsal | Snout to Ins. 2nd Dorsal | Snout to Ins. Anal | Snout to Ins. Ventral | Total Length | Head Length | Snout to Ins. 1st Dorsal | Snout to Ins. 2nd Dorsal | Snout to Ins. Anal | Snout to Ins. Ventral |
|--------------|-------------|--------------------------|--------------------------|--------------------|-----------------------|--------------|-------------|--------------------------|--------------------------|--------------------|-----------------------|
| 446          | 125         | 138                      | 256                      | 290                | 139                   | 675          | 183         | 193                      | 378                      | 437                | 194                   |
| 547          | 151         | 174                      | 321                      | 346                | 156                   | 683          | 185         | 204                      | 395                      | 443                | 209                   |
| 559          | 146         | 161                      | 319                      | 357                | 166                   | 691          | 183         | 201                      | 392                      | 453                | 201                   |
| 603          | 158         | 168                      | 338                      | 378                | 168                   | 692          | 183         | 202                      | 395                      | 437                | 203                   |
| 627          | 160         | 177                      | 360                      | 403                | 180                   | 694          | 184         | 205                      | 399                      | 456                | 201                   |
| 627          | 171         | 192                      | 355                      | 400                | 188                   | 700          | 187         | 210                      | 402                      | 459                | 209                   |
| 631          | 175         | 190                      | 362                      | 411                | 200                   | 704          | 187         | 205                      | 404                      | 452                | 208                   |
| 632          | 169         | 190                      | 353                      | 403                | 196                   | 711          | 187         | 211                      | 407                      | 460                | 210                   |
| 635          | 167         | 184                      | 358                      | 411                | 188                   | 714          | 190         | 210                      | 402                      | 471                | 208                   |
| 641          | 171         | 187                      | 365                      | 405                | 195                   | 721          | 189         | 215                      | 413                      | 470                | 204                   |
| 650          | 174         | 194                      | 375                      | 424                | 200                   | 724          | 194         | 204                      | 395                      | 443                | 209                   |
| 654          | 171         | 194                      | 371                      | 420                | 196                   | 728          | 194         | 207                      | 424                      | 473                | 223                   |
| 655          | 173         | 204                      | 382                      | 416                | 190                   | 738          | 197         | 214                      | 420                      | 488                | 220                   |
| 655          | 175         | 196                      | 380                      | 407                | 187                   | 741          | 198         | 223                      | 434                      | 479                | 220                   |
| 662          | 178         | 194                      | 370                      | 424                | 200                   | 742          | 198         | 214                      | 419                      | 475                | 215                   |

\*From the Philippine Bureau of Fisheries

Table 96. Dog-toothed tuna from the Northwestern Pacific  
South Sulu Sea, Philippines (Continued)

| Total Length | Head Length | Snout to Infr. 1st Dorsal | Snout to Infr. 2nd Dorsal | Snout to Infr. Anal | Snout to Infr. Ventral | Total Length | Head Length | Snout to Infr. 1st Dorsal | Snout to Infr. 2nd Dorsal | Snout to Infr. Anal | Snout to Infr. Ventral |
|--------------|-------------|---------------------------|---------------------------|---------------------|------------------------|--------------|-------------|---------------------------|---------------------------|---------------------|------------------------|
| 744          | 200         | 221                       | 433                       | 490                 | 224                    | 850          | 234         | 259                       | 484                       | 575                 | 260                    |
| 753          | 205         | 229                       | 438                       | 485                 | 228                    | 851          | 232         | 260                       | 485                       | 565                 | 249                    |
| 755          | 200         | 220                       | 430                       | 496                 | 221                    | 877          | 234         | 266                       | 545                       | 570                 | 253                    |
| 758          | 203         | 218                       | 430                       | 487                 | 229                    | 881          | 225         | 248                       | 481                       | 565                 | 245                    |
| 760          | 200         | 226                       | 427                       | 492                 | 220                    | 902          | 245         | 273                       | 523                       | 600                 | 273                    |
| 764          | 207         | 233                       | 452                       | 512                 | 232                    | 915          | 241         | 271                       | 525                       | 607                 | 266                    |
| 788          | 218         | 239                       | 450                       | 513                 | 244                    | 917          | 255         | 280                       | 540                       | 597                 | 284                    |
| 791          | 219         | 247                       | 452                       | 528                 | 244                    | 920          | 248         | 272                       | 544                       | 609                 | 280                    |
| 796          | 211         | 237                       | 467                       | 529                 | 239                    | 954          | 250         | 280                       | 545                       | 609                 | 273                    |
| 798          | 224         | 247                       | 460                       | 527                 | 243                    | 937          | 253         | 291                       | 550                       | 616                 | 270                    |
| 822          | 224         | 245                       | 462                       | 527                 | 247                    | 1015         | 265         | 309                       | 598                       | 663                 | 305                    |
| 823          | 214         | 251                       | 476                       | 522                 | 240                    | 1033         | 281         | 325                       | 609                       | 684                 | 320                    |
| 836          | 222         | 251                       | 479                       | 539                 | 249                    | 1054         | 287         | 322                       | 624                       | 685                 | 325                    |

Table 97. Double-lined mackerel from the Western Equatorial Pacific: Western Marshalls

| Total Length | Weight* | Head Length | Snout to Infr. 1st Dorsal | Snout to Infr. 2nd Dorsal | Snout to Infr. Anal | Snout to Infr. Ventral | Infr. Ventral to Ant. Edge Ventral | Greatest Body Depth | Length Pectoral | Height and Dorsal | Height Anal | Diameter Iris | N. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|---------|-------------|---------------------------|---------------------------|---------------------|------------------------|------------------------------------|---------------------|-----------------|-------------------|-------------|---------------|----------------|-----|----------------|------|----------|
| 408          | 1.5     | 91          | 125                       | 223                       | 243                 | 109                    |                                    | 75                  | 55              | 37                | 37          | 23            |                | f   | */47           |      | JCM      |
| 411          | 1.5     | 88          | 120                       | 225                       | 247                 | 108                    |                                    | 80                  | 51              | 36                | 34          | 18            |                | f   | */47           |      | JCM      |
| 417          | 1.5     | 89          | 122                       | 228                       | 250                 | 107                    |                                    | 82                  | 51              | 35                | 35          | 18            |                | f   | */47           |      | JCM      |
| 425          | 2       | 89          | 124                       | 228                       | 254                 | 110                    |                                    | 82                  | 55              | 39                | 38          | 23            |                | m   | */47           |      | JCM      |
| 427          | 1.5     | 92          | 125                       | 232                       | 255                 | 112                    |                                    | 82                  | 58              | 37                | 38          | 22            |                | m   | */47           |      | JCM      |
| 428          | 1.5     | 92          | 128                       | 235                       | 256                 | 108                    |                                    | 86                  | 61              | 37                | 36          | 21            |                | m   | */47           |      | JCM      |
| 433          | 1.8     | 92          | 129                       | 236                       | 265                 | 117                    |                                    | 85                  | 60              | 38                | 36          | 24            |                | m   | */47           |      | JCM      |
| 543          | 3.5     | 115         | 161                       | 299                       | 329                 | 144                    |                                    | 106                 | 73              | 49                | 48          | 25            |                | f   | */47           |      | JCM      |
| 453          | 2       | 101         | 135                       | 249                       | 273                 | 120                    |                                    | 84                  | 60              | 37                | 37          | 24            |                | m   | */47           |      | JCM      |
| 458          | 3       | 99          | 137                       | 247                       | 275                 | 123                    |                                    | 86                  | 62              | 37                | 38          | 24            |                | m   | */47           |      | JCM      |

\*From July 19 to August 26



Table 97. Double-lined mackerel from the Western Equatorial Pacific: Western Marshalls (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Edge Vent | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Code | Examiner |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|-----------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 467          | 2      | 101         | 140                         | 256                         | 280                   | 120                      |                                   | 86                     | 67              | 40                | 40          | 25            |                 | m   | */47           |      | JCM      |
| 482          | 2      | 104         | 144                         | 261                         | 290                   | 126                      |                                   | 89                     | 63              | 43                | 41          | 24            |                 | f   | */47           |      | JCM      |
| 485          | 2.5    | 104         | 147                         | 262                         | 301                   | 131                      |                                   | 90                     | 65              | 43                | 44          | 23            |                 | f   | */47           |      | JCM      |
| 545          | 5      | 113         | 160                         | 300                         | 334                   | 145                      |                                   | 110                    | 64              | 50                | 51          | 24            |                 | f   | */47           |      | JCM      |
| 580          | 6      | 124         | 174                         | 318                         | 353                   | 154                      |                                   | 118                    | 71              | 51                | 54          | 26            |                 | f   | */47           |      | JCM      |

Table 98. Frigate mackerel from the North Central Pacific Hawaiian Islands

|     |     |     |     |     |     |     |  |     |    |    |    |    |       |  |       |    |     |
|-----|-----|-----|-----|-----|-----|-----|--|-----|----|----|----|----|-------|--|-------|----|-----|
| 330 | 1.3 | 91  | 103 | 206 | 221 | 101 |  | 76  | 49 | 23 | 21 | 16 | 10/30 |  | 11/49 | Pl | BMS |
| 336 | 1.4 | 93  | 108 |     | 230 | 106 |  | 76  | 50 | 21 | 21 | 16 | 10/31 |  | 9/49  | Tr | KY  |
| 339 | 1.3 | 93  | 107 | 212 | 228 | 103 |  | 75  | 49 | 24 | 22 | 17 | 10/30 |  | 11/49 | Pl | BMS |
| 339 | 1.5 | 95  | 110 | 212 | 229 | 102 |  | 84  | 50 | 23 | 23 | 17 | 10/32 |  | 11/49 | Pl | BMS |
| 342 | 1.4 | 94  | 109 | 213 | 233 | 104 |  | 77  | 49 | 23 | 20 | 18 | 10/30 |  | 9/49  | Tr | KY  |
| 342 | 1.4 | 94  | 110 | 210 | 229 | 105 |  | 80  | 50 | 23 | 21 | 17 | 11/29 |  | 11/49 | Pl | BMS |
| 347 | 1.6 | 91  | 107 | 217 | 230 | 103 |  | 84  | 50 | 22 | 21 | 16 | 11/30 |  | 11/49 | Pl | BMS |
| 353 | 1.8 | 95  | 109 | 221 | 240 | 106 |  | 88  | 50 | 22 | 20 | 16 |       |  | 5/49  | Pl | KY  |
| 355 | 1.5 | 99  | 114 | 220 | 239 | 112 |  | 77  | 54 | 23 | 23 | 18 | 10/30 |  | 9/49  | Tr | KY  |
| 355 | 2   | 94  | 119 | 225 | 240 | 105 |  | 89  | 49 |    | 20 | 16 |       |  | 5/49  | Pl | KY  |
| 357 | 1.5 | 97  | 112 | 216 | 237 | 109 |  | 76  | 51 | 24 | 21 | 18 | 10/31 |  | 9/49  | Tr | KY  |
| 357 | 1.6 | 99  | 115 | 221 | 243 | 111 |  | 80  | 53 | 24 | 23 | 17 | 10/33 |  | 9/49  | Tr | KY  |
| 366 | 2.5 | 100 | 115 | 228 | 251 | 115 |  | 96  | 53 | 22 | 22 | 17 |       |  | 5/49  | Pl | KY  |
| 393 | 3   | 110 | 122 | 249 | 270 | 125 |  | 100 | 57 | 22 | 23 | 17 |       |  | 8/48  |    | HHE |

Table 99. Frigate mackerel from the Northwestern Pacific: Japan

|     |     |    |     |     |     |    |  |    |    |    |    |    |       |   |      |    |     |
|-----|-----|----|-----|-----|-----|----|--|----|----|----|----|----|-------|---|------|----|-----|
| 306 | .98 | 79 | 93  | 199 | 214 | 90 |  | 65 | 39 | 15 | 14 | 15 | 12/35 |   | 5/49 | Pl | BMS |
| 322 | 1.3 | 84 | 96  | 205 | 230 | 96 |  | 75 | 42 | 15 | 15 | 18 | 10/34 |   | 5/49 | Pl | BMS |
| 324 | 1.3 | 85 | 101 | 211 | 228 | 97 |  | 77 | 43 | 17 | 16 | 17 | 11/34 | m | 5/49 | Pl | BMS |
| 329 | 1.4 | 85 | 100 | 208 | 231 | 99 |  | 77 | 41 | 16 | 14 | 16 | 12/32 | m | 5/49 | Pl | BMS |
| 330 | 1.4 | 88 | 104 | 212 | 232 | 99 |  | 77 | 43 | 16 | 15 | 17 | 12/35 | f | 5/49 | Pl | BMS |

\*From July 19 to August 26

Table 99. Frigate mackerel from the Northwestern Pacific:  
Japan (Continued)

| Total Length | Weight | Head Length | Snout to Ins.<br>1st Dorsal | Snout to Ins.<br>2nd Dorsal | Snout to Ins.<br>Anal | Snout to Ins.<br>Ventral | Ins. Ventral to<br>Ant. Edge Vent | Greatest Body<br>Depth | Length Pectoral | Height 2nd Dorsal | Height Anal | Diameter Iris | No. Gill Rakers | Sex | Month and Year | Gear | Examiner |
|--------------|--------|-------------|-----------------------------|-----------------------------|-----------------------|--------------------------|-----------------------------------|------------------------|-----------------|-------------------|-------------|---------------|-----------------|-----|----------------|------|----------|
| 331          | 1.5    | 87          | 101                         | 218                         | 234                   | 102                      |                                   | 78                     | 42              | 16                | 16          | 17            | 10/34           | f   | 5/49           | P1   | BMS      |
| 331          | 1.5    | 87          | 102                         | 218                         | 237                   | 94                       |                                   | 79                     | 45              | 16                | 16          | 18            | 12/32           |     | 5/49           | P1   | BMS      |
| 338          | 1.5    | 90          | 106                         | 219                         | 236                   | 100                      |                                   | 81                     | 45              | 16                | 15          | 16            | 11/33           | m   | 5/49           | P1   | BMS      |
| 338          | 1.6    | 91          | 106                         | 218                         | 237                   | 104                      |                                   | 84                     | 43              | 17                | 17          | 16            | 10/32           | m   | 5/49           | P1   | BMS      |
| 344          | 1.6    | 91          | 105                         | 220                         | 240                   | 102                      |                                   | 81                     | 43              | 21                | 20          | 16            | 11/34           | f   | 5/49           | P1   | BMS      |
| 371          | 2.2    | 101         | 119                         |                             |                       |                          |                                   | 96                     | 57              | 21                | 21          | 19            | 11/31           | f   | 5/49           | P1   | BMS      |
| 375          | 2.9    | 109         | 125                         | 249                         | 273                   | 121                      |                                   | 105                    | 55              | 30                | 29          | 16            | 11/30           |     | 5/49           | P1   | BMS      |
| 388          | 2.5    | 107         | 123                         | 247                         | 264                   | 119                      |                                   | 101                    | 57              | 23                | 23          | 19            | 10/31           | m   | 5/49           | P1   | BMS      |
| 399          | 3.1    | 110         | 129                         | 255                         | 278                   | 122                      |                                   | 105                    | 59              | 27                | 27          | 17            | 11/31           |     | 5/49           | P1   | BMS      |
| 400          | 2.6    | 111         | 131                         | 254                         | 269                   | 121                      |                                   | 99                     | 59              | 29                | 26          | 16            | 11/31           |     | 5/49           | P1   | BMS      |
| 407          | 2.8    | 112         | 134                         | 259                         | 274                   | 123                      |                                   | 107                    | 59              | 25                | 22          | 19            | 10/28           | f   | 5/49           | P1   | BMS      |
| 410          | 2.9    | 113         | 130                         | 257                         | 285                   | 129                      |                                   | 104                    | 58              | 25                | 23          | 19            | 10/31           | m   | 5/49           | P1   | BMS      |
| 412          | 3.09   | 110         | 130                         | 262                         | 275                   | 121                      |                                   | 105                    | 61              | 29                | 29          | 17            | 10/30           |     | 5/49           | P1   | BMS      |
| 433          | 3.7    | 115         | 138                         | 268                         | 295                   | 127                      |                                   | 112                    | 60              | 30                | 29          | 17            | 10/31           |     | 5/49           | P1   | BMS      |
| 441          | 3.6    | 120         | 136                         | 272                         | 300                   | 130                      |                                   | 112                    | 66              | 31                | 28          | 19            | 11/29           |     | 5/49           | P1   | BMS      |
| 446          | 4.1    | 120         | 139                         | 283                         | 310                   | 135                      |                                   | 117                    | 63              | 32                | 32          | 19            | 10/29           |     | 5/49           | P1   | BMS      |
| 456          | 4.3    | 120         | 142                         | 289                         | 301                   | 132                      |                                   | 118                    | 65              | 33                | 33          | 19            | 10/29           |     | 5/49           | P1   | BMS      |
| 458          | 4.1    | 124         | 148                         | 293                         | 312                   | 136                      |                                   | 117                    | 68              | 32                | 31          | 20            | 11/31           |     | 5/49           | P1   | BMS      |
| 470          | 4.6    | 126         | 147                         | 296                         | 323                   | 139                      |                                   | 120                    | 69              | 32                | 31          | 21            | 11/30           |     | 5/49           | P1   | BMS      |

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